

REACH Erklärung

Die REACH-Verordnung ist am 1. Juni 2007 in Kraft getreten. Ziel ist es dass alle in der EU produzierten und verwendeten Stoffe keinen negativen Einfluss auf Gesundheit und Umwelt haben.

Die Hager Group entwickelt, fertigt und vertreibt elektrotechnische Produkte. Im Sinne von REACH stellt die Hager Group „Erzeugnisse“ her und ist „nachgeschalteter Anwender“.

Wir vergewissern uns, dass unsere Lieferanten bei den Materialien und Komponenten die sie uns liefern, alle Auflagen erfüllen.

Die Hager Group fühlt sich von jeher für die Umweltfreundlichkeit ihrer Produkte verantwortlich.

Das Unternehmen hält alle Anforderungen von REACH ein.

Falls erforderlich sowie gemäß REACH Artikel 33 geben wir unseren Kunden alle Angaben über besorgniserregende Stoffe in unseren Produkten (Konzentration von mehr als 0,1 Massenprozent), die Basis dafür sind die gelisteten Stoffe in der "Kandidatenliste".

Obernai, den 19. Dezember 2014

A handwritten signature in black ink, appearing to be "D. Beck", with a long horizontal stroke extending to the right.

Dr.- Ing. Dominique BECK
Standardisation and Business Environment Director - Hager Group

Rechtsform: Societas Europaea
Sitz: Blieskastel
Registeramt: Saarbrücken HRB16434
Vorstand: Daniel Hager (Vorstandsvorsitzender), Philippe Ferragu, Bertrand Schmitt

REACH Declaration Form / Deklarierungs Formular

Lieferanten Name: BRAC WERKE AG

REACH Kontakt: Michael Lauckner

Titel: Qualitätsmanagement (QMB)

E-mail Adresse: m.lauckner@brac.ch

Telefon Nr.: +41 (0)61 785 30 00 Zentrale Direkt: -14

Bitte überprüfen Sie die Liste der Substanzen auf der folgenden Seite und geben Sie an, ob etwaige Artikel, die Sie an WERDER + Partner Elektrotechnik AG liefern, eine oder mehrere dieser Substanzen enthält. Hinweis: Die Substanzen in den grau schraffierten Feldern wurden als Teil der ursprünglichen Reach SVHC Kandidaten Liste am 28. Oktober 2008 veröffentlicht. Die anderen Substanzen werden voraussichtlich noch im Dezember 2009 zur SVHC Liste hinzugefügt. Bitte, listen Sie alle der von Ihnen an WERDER + Partner Elektrotechnik AG Artikel auf, die eine Substanz von dieser Liste enthält:

Artikel-Nr.	SVHC /CAS Nr.	% Gewicht SVHC
---	---	---

Lieferantenerklärung für die an Sie gelieferten Artikel:

Unsere Erzeugnisse und ihre Verpackungen enthalten keine Stoffe der Kandidatenliste (Stand 28.10.2008) gemäss Artikel 59 (1) der Verordnung (EG) Nr. 1907/2006 („REACH“) über 0,1 Massenprozent.

Wir bestätigen daß die Informationen, die in der nachfolgenden Tabelle zur Verfügung gestellt wird, zu unserem besten Wissen zum Datum dieser Bestätigung zutreffend und vollständig ist.

QMB

Autorisierte Unterschrift

03.04.2010
Datum

TOTAL PETROCHEMICALS

TOTAL PETROCHEMICALS RESEARCH FELUY
 Industrial Property & Regulatory Affairs Department
 Regulatory Affairs
 Tel : +32 (0)64 51 40 10
 Fax : +32 (0)64 51 41 49
 petrochemicals.felr-regaffairs@total.com

BIGLER AG
 For the attention of Mr. Baccaro
 gianni.baccaro@biglerag.com

Letter : DP/CdA/04L688
 Dossier : 1115

Feluy, December 13, 2004

Dear Sir,

Concern : POLYSTYRENE COMPOUND 801-4823
 ELECTRIC AND ELECTRONIC EQUIPMENT

We hereby inform you that Directive 2002/95/EC does not cover our Polystyrenes as "raw materials" but it only applies to the "electrical and electronic equipment" as finished products defined in the Annex IA under categories 1,2,3,4,5,6,7 and 10 of the European Directive 2002/96/EC.

Nevertheless, we hereby confirm that neither polybromo biphenyls (PBB) nor polybromo diphenylethers (PBDE) are used, as additive that would justify a listing in Annex III of the EU Plastic Directive 2002/72/EC, in the above-mentioned products. Moreover, a certificate that includes a heavy metals statement (including lead, cadmium, mercury and chromium) is included herein.

However, since we do not perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned product.

HEAVY METALS

We hereby confirm that the above-mentioned product complies with Directive 94/62/EC on Packaging Waste with respect to the heavy metals content limit because the overall concentration of cadmium, mercury, lead and chromium is lower than 100 ppm (w/w).

Our certificate does not cover :

- any modification of the warranted product by any addition of any other product to it,
- any prejudicial modification of the warranted product resulting from a processing of the product,
- an inadequate use and/or storage of the material and of the finished articles.

The present certificate is valid for a period of one year starting from the date first above written. It can then be renewed upon request.

We are at your disposal for any further information you may need and remain,

Yours faithfully,

TOTAL PETROCHEMICALS RESEARCH FELUY



70 M.-L. DUBRU
 Toxicology & Studies, Manager



Jean-Christophe DEWART
 Department Manager

Encl. : N.A.

cc : N.A.



TOTAL PETROCHEMICALS RESEARCH FELUY
 Société Anonyme
 Zone Industrielle C - B-7181 FELUY
 Tel : +32 (0)64 51 41 11
 Fax : +32 (0)64 54 08 65
 research@total.com

RPM Charleroi: 0.438.021.316
 TVA : BE 438.021.316
 Banque : 210-0473820-27

Enthalten die von Ihnen gelieferten Artikel eine dieser Substanzen?

Substanz Bezeichnung	CAS Nr.	EC Nr.	Ja	Nein
Anthracene	120-12-7	204-371-1	☐	☒
4,4'- Diaminodiphenylmethane	101-77-9	202-974-4	☐	☒
Dibutyl phthalate (DBP)	84-74-2	201-557-4	☐	☒
Cobalt dichloride	7646-79-9	231-589-4	☐	☒
Diarsenic pentaoxide	1303-28-2	215-116-9	☐	☒
Diarsenic trioxide	1327-53-3	215-481-4	☐	☒
Sodium dichromate, dihydrate	7789-12-0 and 10588-01-9	234-190-3	☐	☒
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	☐	☒
Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	204-211-0	☐	☒
Hexabromocyclododecane (HBCDD)	25637-99-4	247-148-4 and 221-695-9	☐	☒
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	☐	☒
Bis (tributyltin)oxide	56-35-9	200-268-0	☐	☒
Lead hydrogen arsenate	7784-40-9	232-064-2	☐	☒
Triethyl arsenate	15606-95-8	427-700-2	☐	☒
Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	☐	☒
2,4-Dinitrotoluene	121-14-2	204-450-0	☐	☒
Anthracene oil	90640-80-5	292-602-7	☐	☒
Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5	☐	☒
Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	☐	☒
Anthracene oil, anthracene-low	90640-82-7	292-604-8	☐	☒
Anthracene oil, anthracene paste	90640-81-6	292-603-2	☐	☒
Diisobutyl phthalate	84-69-5	201-553-2	☐	☒
Aluminosilicate, Refractory Ceramic Fibres	(650-017-00-8)		☐	☒
Zirconia Aluminosilicate, Refractory Ceramic Fibres	(650-017-00-8)		☐	☒
Lead chromate	7758-97-6	231-846-0	☐	☒
Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	☐	☒
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	☐	☒
Acrylamide	79-06-1	201-173-7	☐	☒
tris(2-chloroethyl)phosphate	115-96-8	204-118-5	☐	☒
coal tar pitch, high temperature	65996-93-2	266-028-2	☐	☒

LACORENE®

800

Polystyrène

Product Description

High Impact polystyrene incorporating flame retardant additives. Material displays thermal stability and good light stability. PBDPE free.

Typical Applications

Housing unit covers for most electrical equipment e.g. Printers, fax machines.

Property	Test Method	Test Results	Test units
Melt Flow Index	ISO 1133 H	6	g/10 min
Vicat Softening Point	ISO 306 A	96	°C (1kg) °C (5kg)
Modulus in Tension	ISO R 527	-	MPa
Tensile Strength at Yield	ISO R 527	20	MPa
Tensile Strength at Break	ISO R 527	18	MPa
Elongation at Break	ISO R 527	45	%
Flexural Modulus	ISO 178	1900	MPa
Flexural Strength	ISO 178	33	MPa
Notched Izod Impact Strength	ISO 180/1 A	9	kJ/m ²
Flammability Rating	BS 415 1972	-	mm
	BS 415 1973 / 1990	1.63	mm
	UL 94 V-0	1.5	mm
Maximum Melt Temperature		240	°C
HDT (Unannealed) (1.82 MPa 120 °C/hr)	ISO 75	64	°C
HDT (annealed) (1.82 MPa 120 °C/hr)	ISO 75	87	°C

Dimensions conform to current ISO test standards.

Provisional Data Sheet : 800



B. BIGLER AG ZUG

Poststrasse 16 Tel. ++41-(0)41 710 71 70
Postfach 47 Fax ++41-(0)41 710 71 86
6301 Zug 096278

Rev.08/97

Kurt Berger

Von: Nicole Jeker <Nicole.Jeker@zaugg.ch>
Gesendet: Dienstag, 27. Januar 2015 08:38
An: Kurt Berger
Betreff: Datenblatt und Reach-Verordnung
Anlagen: Datenblatt Polystyrene.pdf; Reach-Verordnung Polystyrene.pdf

Guten Morgen Herr Berger

Anbei das Datenblatt und die Reach-Verordnung des Materials Ihrer Zählerrahmen.

Wünsche einen schönen Tag.

Freundliche Grüsse / kind regards

Nicole Jeker
Sekretariat/Administration



Gebr. W. + H. Zaugg AG
Hanibühlweg 2
CH-3647 Reutigen

Tel.: 033 657 80 60
Fax.: 033 657 22 36

www.zaugg.ch
info@zaugg.ch

Refining & Chemicals

Total Research & Technology Feluy
IP & Regulatory Affairs Department
Regulatory Affairs
Tel. : +32 (0)64 51 41 04
Fax.: +32 (0)64 51 41 49
rc.fer-regaffairs@total.com

1/6
CERTIFICATE N° 12L00190

Feluy, January 08, 2013

ALL POLYSTYRENE CRYSTAL and IMPACT (manufactured in EUROPE)

PRODUCT STEWARDSHIP CERTIFICATE

A. Absence of Substances

We can hereby confirm that we do not intentionally use the following substances in the manufacturing of the above-mentioned Products:

1	ALLERGEN SUBSTANCES as listed in Directive 2007/68/EC	
2	AROMATIC AMINES as listed in Regulation 1907/2006/EC Annex XVII Appendix 8	Replaces Directive 2002/61/EC (19th amendment of Directive 76/769/EEC).
3	ASBESTOS as listed in Regulation 1907/2006/EC Annex XVII Appendix 8	Replaces Directive 2003/18/EC (amending Council Directive 83/477/EC).
4	AZOCOLORANTS as listed in Regulation 1907/2006/EC Annex XVII Appendixes 8 and 9	Replaces Directive 2002/61/EC (19th amendment of Directive 76/769/EEC).
5	BENZOPHENONE DERIVATIVES	We mean the following substances by benzophenone derivatives: Benzophenone (CAS No 119-61-9), 2-hydroxybenzophenone (CAS No 117-99-7), 3-hydroxybenzophenone (CAS No 13020-57-0), 4-hydroxybenzophenone (CAS No 1137-42-4), 4-methylbenzophenone (CAS No 134-84-9).
6	BHA (ter-butyl-4- hydroxyanisole)	CAS No 25013-16-5
7	BHT (2,6-di-ter-butyl-p-cresol)	CAS No 128-37-0
8	BIOCIDES as listed in Directive 98/8/EC	To the best of our knowledge, we do not use (as an additive as defined in Directive 2002/72/EC, Annex III) any biocidal substance that would destroy, deter, render harmless, prevent the action of, or otherwise exert a controlling effect on any.
9	BISPHENOL A, BISPHENOL F and BISPHENOL S	CAS No 80-05-7, CAS No 620-92-8 and CAS No 80-09-1

Information contained in this publication is true and accurate at the time of publication and to the best of our knowledge. The nominal values stated herein are obtained using laboratory test specimens. Before using one of the products mentioned herein, customers and other users should take all care in determining the suitability of such product for the intended use.

Unless specifically indicated, the products mentioned herein are not suitable for applications in the pharmaceutical or medical sector. Under no circumstances are any products sold by Total Refining & Chemicals suitable for human in the following applications: (i) implantable devices intended for human or animal body (ii) Devices intended to be used in contact with internal body fluids (iii) Devices intended to be used in contact with internal body tissues. The Companies within Total Refining & Chemicals do not accept any liability whatsoever arising from the use of this information or the use, application or processing of any product described herein. No information contained in this publication can be considered as a suggestion to infringe patents. The Companies disclaim any liability that may be claimed for infringement or alleged infringement of patents.

Total Research & Technology Feluy
Zone Industrielle Feluy C - B-7181 Seneffe - Belgique.
Tel. : +32 (0)64 51 41 11
Fax.: +32 (0)64 54 08 45
E-mail: research-feluy@total.com

Refining & Chemicals

Total Research & Technology Feluy
IP & Regulatory Affairs Department
Regulatory Affairs
Tel. : +32 (0)64 51 41 04
Fax.: +32 (0)64 51 41 49
rc.fer-regaffairs@total.com

2/6
CERTIFICATE N° 12L00190

10	CHLORINATED ALIPHATIC COMPOUNDS	We mean the following substances by chlorinated aliphatic compounds: tetrachloromethane (CAS No 56-23-5), 1,1,2,2-tetrachloroethane (CAS No 79-34-5), 1,1,1,2-tetrachloroethane (CAS No: 630-20-6), pentachloroethane (CAS No 76-01-7), trichloromethane (chloroform; CAS No 67-66-3), 1,1,2-trichloroethane (CAS No 79-00-5), 1,1-dichloroethylene (CAS No 75-35-4), 1,1,1-trichloroethane (CAS No 71-55-6).
11	CHLOROFLUOROCARBONS (CFC), HCFC AND HALONES	
12	CMR SUBSTANCES as listed in Regulation 1272/2008/EC Annex VI	We mean Carcinogens, Mutagens or toxic to Reproduction categories 1 and 2 as defined in Directive 67/548/EC.
13	DIMETHYLFUMARATE Directive 2009/251/EC	CAS No 624-49-7
14	DIOXINS AND DIFURANS	
15	EPOXY DERIVATIVES - Article 1 of directive 2002/16/EC amended by Directive 2004/13/EC - Regulation 1895/2005/EC	2,2-bis (4-hydroxyphenyl) propane bis (2,3-epoxypropyl) ether ('BADGE'), bis(hydroxyphenyl) methane bis (2,3-epoxypropyl) ethers ('BFDGE') and novolac glycidyl ethers ('NOGE')
16	FORMALDEHYDE	CAS No 50-00-0
17	HALOGENS	Elemental Fluorine, Chlorine, Bromine or Iodine
18	HEAVY METALS Directive 94/62/EC and Directive 2004/12/EC	The overall concentration of cadmium, mercury, lead and chromium is lower than 100 ppm (w/w).
19	ISOPROPYLTHIOXANTHONE (ITX)	CAS No 5495-84-1 and CAS No 83846-86-0
20	LATEX	We mean the following by latex: "a white, tacky, aqueous suspension of a hydrocarbon polymer occurring naturally in some species of trees, shrubs, or plants, or made synthetically".
21	MELAMINE and CYANURIC ACID	CAS No 108-78-1 CAS No 108-80-5
22	NONYLPHENOL AND NONYLPHENOLETHOXYLATES as listed in Regulation 1907/2006/EC Annex XVII	Replaces Directive 2003/53/EC (26th amendment of Directive 76/69/EEC).
23	ORGANOTIN COMPOUNDS as listed in Commission Decision 2009/425/EC	We mean the following substances by organotin compounds: Monobutyltin Cation (MBT), Dibutyltin Cation (DBT), Dioctyl Tin (DOT), Tributyltin Cation (TBT), Triphenyltin Cation (TPT) and Tributyltin Oxide (TBTO).

Information contained in this publication is true and accurate at the time of publication and to the best of our knowledge. The nominal values stated herein are obtained using laboratory test specimens. Before using one of the products mentioned herein, customers and other users should take all care in determining the suitability of such product for the intended use. Unless specifically indicated, the products mentioned herein are not suitable for applications in the pharmaceutical or medical sector. Under no circumstances are any products sold by Total Refining & Chemicals suitable for human in the following applications: (i) implantable devices intended for human or animal body (ii) Devices intended to be used in contact with internal body fluids (iii) Devices intended to be used in contact with internal body tissues. The Companies within Total Refining & Chemicals do not accept any liability whatsoever arising from the use of this information or the use, application or processing of any product described herein. No information contained in this publication can be considered as a suggestion to infringe patents. The Companies disclaim any liability that may be claimed for infringement or alleged infringement of patents.

Total Research & Technology Feluy
Zone Industrielle Feluy C - B-7181 Seneffe - Belgique.
Tel. : +32 (0)64 51 41 11
Fax.: +32 (0)64 54 08 45
E-mail: research-feluy@total.com

Refining & Chemicals

Total Research & Technology Feluy
IP & Regulatory Affairs Department
Regulatory Affairs
Tel. : +32 (0)64 51 41 04
Fax.: +32 (0)64 51 41 49
rc.fer-regaffairs@total.com

3/6
CERTIFICATE N° 12L00190

24	OZONE-DEPLETING SUBSTANCES - Regulation 1005/2009/EC - The Montreal Protocol on Substances that deplete the Ozone Layer, as last adjusted and/or amended in Beijing 9-1999 (UNEP-United Nation Environment Program) - The United States (Clean Air Act, as amended in 1990, title VI, section 602 (a), class I and II.	CFCs, Halons, Other fully halogenated CFCs, Carbon tetrachloride, 1,1,1-Trichloroethane (Methyl chloroform), Hydrochlorofluorocarbons (HCFC), Hydrobromofluorocarbons (HBFC), Methyl bromide, Bromochloromethane.
25	PERFLUOROOCTANE SULFONATE (PFOS) AND PERFLUOROOCTANOIC ACID (PFOA) as listed in Regulation 1907/2006/EC Annex XVII	Replaces Directive 2006/122/EC (30th amendment of Directive 76/769/EEC).
26	PESTICIDES, HERBICIDES as listed in Directive 91/414/EC	To the best of our knowledge, we do not use (as an additive as defined in Directive 2002/72/EC, Annex III) any pesticides and herbicides that: - protect plants or plant products against all harmful organisms or prevent the action of such organisms, in so far as such substances - influence the life processes of plants, other than a nutrient (e.g. growth regulators); - preserve plant products, in so far as such substances or products are not subject to special Council of Commission provisions on reservatives; - destroy undesired plants; or - destroy parts of plants, check or prevent undesired growth of plants; in the finished article
27	PHthalATES as listed in Decision 99/815/EC, Decision 2004/781/EC and Regulation 1907/2006/EC	Di-isononyl phthalate (DINP), di-isopentyl phthalate (DIPP), Di(2-ethylhexyl) phthalate (DEHP,DOP), dibutyl phthalate (DBP), Di-iso-butyl phthalate (DIBP),di-methoxyethyl phthalate (DMEP), Di-iso-decyl phthalate (DIDP), isopentyl phthalate Di-n-octyl phthalate (DNOP), di-n-pentyl phthalate (DPP), Di-iso-octyl phthalate (DIOP), mono n-pentyl phthalate (MPP), Butylbenzyl phthalate (BBP), diethyl phthalate (DEP).
28	POLYBROMOBIPHENYLS and POLYBROMODIPHENYLEETHERS - Regulation 1907/2006/EC Annex XVII - Directive 2002/96/EC - Directive 2002/95/EC	Regulation 1907/2006/EC replaces Directive 2003/11/EC (24 th amendment of Directive 76/769/EEC) This includes penta-, octa-, decabromobiphenylethers.
29	POLYCHLORINATED BIPHENYLS (PCB)	

Information contained in this publication is true and accurate at the time of publication and to the best of our knowledge. The nominal values stated herein are obtained using laboratory test specimens. Before using one of the products mentioned herein, customers and other users should take all care in determining the suitability of such product for the intended use. Unless specifically indicated, the products mentioned herein are not suitable for applications in the pharmaceutical or medical sector. Under no circumstances are any products sold by Total Refining & Chemicals suitable for human in the following applications: (i) implantable devices intended for human or animal body (ii) Devices intended to be used in contact with internal body fluids (iii) Devices intended to be used in contact with internal body tissues. The Companies within Total Refining & Chemicals do not accept any liability whatsoever arising from the use of this information or the use, application or processing of any product described herein. No information contained in this publication can be considered as a suggestion to infringe patents. The Companies disclaim any liability that may be claimed for infringement or alleged infringement of patents.

Refining & Chemicals

Total Research & Technology Feluy
IP & Regulatory Affairs Department
Regulatory Affairs
Tel. : +32 (0)64 51 41 04
Fax.: +32 (0)64 51 41 49
rc.fer-regaffairs@total.com

4/6
CERTIFICATE N° 12L00190

30	POLYCHLORINATED NAPHTALENES (PCN)	
31	POLYCHLORINATED TERPHENYLS (PCT)	
32	POLYCYCLIC AROMATIC HYDROCARBONS (PAH) as listed in Regulation 1907/2006/EC Annex XVII	Replaces Directive 2005/69/EC (27th amendment to Directive 76/769/EC).
33	POLYVINYLCHLORIDE (PVC) and VINYLCHLORIDE MONOMER	
34	RADIOACTIVE SUBSTANCES as defined in Directive 96/29/EURATOM	Laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionizing radiation.
35	RECYCLED MATERIALS	Following definition of Commission Regulation 282/2008/EC.
36	SEMICARBAZIDE / AZODICARBONAMIDE as defined in Directive 2004/1/EC	
37	SHORT CHAINED CHLORINATED PARAFFINS as listed in Regulation 1907/2006/EC Annex XVII	Replaces Directive 2002/45/EC (20th amendment of Directive 76/769/EEC).
38	TITANIUM ACETYL ACETONATE (TAA)	CAS No 77927-72-9
39	2,4,4'-TRICHLORO-2'-HYDROXYDIPHENYL ETHER (TRICLOSAN)	CAS No 3380-34-5
40	N-METHYLPYRROLIDONE (NMP)	CAS No 872-50-4

However, since we do not systematically perform specific test to verify the potential presence of these substances in our products, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

B. Compliance with Regulations

We can hereby confirm that the above-mentioned products comply with the requirements of the following regulations:

1. CONEG: (Coalition of the Northeastern Governors (CONEG, USA) because the overall concentration of cadmium, mercury, lead and chromium is lower than 100 ppm (w/w).

2. Directive 76/769/EC and Reach Annex XVII: Directive 76/769/EC relating to restrictions on the marketing and use of certain dangerous substances and preparations, established in its Annex I restrictions for certain dangerous substances and preparations. Regulation 1907/2006/EC (Reach Regulation) repealed and replaced Directive 76/769/EC from 1 June 2009 onwards. Annex XVII, published as Regulation 552/2009/EC amending Regulation 1907/2006/EC, replaces Annex I to Directive

Information contained in this publication is true and accurate at the time of publication and to the best of our knowledge. The nominal values stated herein are obtained using laboratory test specimens. Before using one of the products mentioned herein, customers and other users should take all care in determining the suitability of such product for the intended use.

Unless specifically indicated, the products mentioned herein are not suitable for applications in the pharmaceutical or medical sector. Under no circumstances are any products sold by Total Refining & Chemicals suitable for human in the following applications: (i) implantable devices intended for human or animal body (ii) Devices intended to be used in contact with internal body fluids (iii) Devices intended to be used in contact with internal body tissues. The Companies within Total Refining & Chemicals do not accept any liability whatsoever arising from the use of this information or the use, application or processing of any product described herein. No information contained in this publication can be considered as a suggestion to infringe patents. The Companies disclaim any liability that may be claimed for infringement or alleged infringement of patents.

Refining & Chemicals

Total Research & Technology Feluy
IP & Regulatory Affairs Department
Regulatory Affairs
Tel. : +32 (0)64 51 41 04
Fax.: +32 (0)64 51 41 49
rc.fer-regaffairs@total.com

5/6
CERTIFICATE N° 12L00190

76/769/EC. We herewith confirm that the above-mentioned Products comply with Regulation 552/2009/EC.

3. ELECTRIC AND ELECTRONIC EQUIPMENT: Directive 2002/95/EC and Directive 2011/65/EC do not cover our Polystyrenes as "raw materials" but only apply to the "electrical and electronic equipment" as finished products defined in the Annex IA under categories 1,2,3,4,5,6,7 and 10 of the European Directive 2002/96/EC. Nevertheless, we hereby confirm that neither polybromo biphenyls (PBB) nor polybromo diphenylethers (PBDE) are used in the manufacturing of the above-mentioned products. Moreover, a certificate that includes a heavy metals statement (including lead, cadmium, mercury and chromium) is enclosed.

4. Packaging Waste Directive: We hereby confirm that the above-mentioned Products comply with Directive 94/62/EC and Directive 2004/12/EC on Packaging Waste with respect to the heavy metals content limit because the overall concentration of cadmium, mercury, lead and chromium is lower than 100 ppm (w/w) to be checked for other requirements.

5. END OF LIFE VEHICLES: We hereby confirm that this product complies with the Directive 2000/53/EC on end of life vehicles with respect to the heavy metals content limit defined in the notes of the Decision 2002/525/EC, because the overall concentration of lead, chromium and mercury is lower than 0.1 % by weight, and the concentration of cadmium is lower than 0.01 % by weight.

6. RoHS and WEEE: We hereby inform you that Directive 2002/95/EC (on the Restriction of the use of certain Hazardous Substances: RoHS) and Directive 2011/65/EC do not cover the above-mentioned Products as "raw materials" but only apply to the "electrical and electronic equipment" as finished products defined in the Annex IA under categories 1,2,3,4,5,6,7 and 10 of the European Directive 2002/96/EC (on Waste Electrical and Electronic Equipment: WEEE). Nevertheless, we hereby confirm that neither the flame retardants polybromo biphenyls (PBB) nor polybromodiphenylethers (PBDE) are used (this includes penta-, octa-, decabromodiphenylethers) in the manufacturing of the above-mentioned Products. Moreover, a certificate that includes a heavy metals statement (including lead, cadmium, mercury and chromium) is included herein.

7. SAFETY DATA SHEETS: The Safety Data Sheets of the above-mentioned products can be downloaded from our website: www.quickfds.com. Our customers receive automatically a safety data sheet after their first order and when they make a new order after a period that is longer than 12 months. They will also receive automatically a safety data sheet when modifications have been made.

Information contained in this publication is true and accurate at the time of publication and to the best of our knowledge. The nominal values stated herein are obtained using laboratory test specimens. Before using one of the products mentioned herein, customers and other users should take all care in determining the suitability of such product for the intended use.

Unless specifically indicated, the products mentioned herein are not suitable for applications in the pharmaceutical or medical sector. Under no circumstances are any products sold by Total Refining & Chemicals suitable for human in the following applications: (i) implantable devices intended for human or animal body (ii) Devices intended to be used in contact with internal body fluids (iii) Devices intended to be used in contact with internal body tissues. The Companies within Total Refining & Chemicals do not accept any liability whatsoever arising from the use of this information or the use, application or processing of any product described herein. No information contained in this publication can be considered as a suggestion to infringe patents. The Companies disclaim any liability that may be claimed for infringement or alleged infringement of patents.



Refining & Chemicals

Total Research & Technology Feluy
IP & Regulatory Affairs Department
Regulatory Affairs
Tel. : +32 (0)64 51 41 04
Fax.: +32 (0)64 51 41 49
rc.fer-regaffairs@total.com

6/6
CERTIFICATE N° 12L00190

All EC Regulations can be downloaded or requested free of charge on the following internet site: <http://europa.eu.int/eur-lex/en/index.htm>

C. Compliance with Norms or Standards

We can hereby confirm that the above-mentioned products comply with the requirements of the following norms or standards:

1. **SONY TECHNICAL STANDART SS-00259**, 11th Edition, revised 2012.
2. **IKEA IOS-MAT-0010**, version AA-10911-8, dated 2011-05-13
3. **BOSCH NORM N 2580-1**, dated 2011-05-11
4. **GADSL** (Global Automotive Declarable Substance List)-2011
5. **PHARMACOPOEIA**: We inform you that there is no European Pharmacopoeia Monograph relative to Polystyrene.

Our certificate does not cover:

- any modification of The Product by any addition of any other product to it,
- any prejudicial modification of The Product resulting from a processing of The Product,
- an inadequate use and/or storage of The Product and of the finished articles.

The present certificate is based on the status of the legislation at the date written above and is valid until June 2014. It can be renewed upon request.

We are at your disposal for any further information you may need and remain,

Yours faithfully,
Total Research & Technology Feluy

M-L. DUBRU
Toxicology Studies, Manager

F. WYLIN
Regulatory Affairs, Manager

Encl : N.A.

cc: N.A.

Information contained in this publication is true and accurate at the time of publication and to the best of our knowledge. The nominal values stated herein are obtained using laboratory test specimens. Before using one of the products mentioned herein, customers and other users should take all care in determining the suitability of such product for the intended use. Unless specifically indicated, the products mentioned herein are not suitable for applications in the pharmaceutical or medical sector. Under no circumstances are any products sold by Total Refining & Chemicals suitable for human in the following applications: (i) implantable devices intended for human or animal body (ii) Devices intended to be used in contact with internal body fluids (iii) Devices intended to be used in contact with internal body tissues. The Companies within Total Refining & Chemicals do not accept any liability whatsoever arising from the use of this information or the use, application or processing of any product described herein. No information contained in this publication can be considered as a suggestion to infringe patents. The Companies disclaim any liability that may be claimed for infringement or alleged infringement of patents.

Total Research & Technology Feluy
Zone Industrielle Feluy C – B-7181 Seneffe – Belgique.
Tel. : +32 (0)64 51 41 11
Fax.: +32 (0)64 54 08 45
E-mail: research-feluy@total.com

Description

POLYSTYRENE IMPACT 6540 is an easy flowing, high impact polystyrene with a good balance of mechanical and thermal properties. This resin combines physical properties such as the flow necessary for large or complex mouldings, the impact resistance for good mechanical properties in thin wall sections and good thermal properties for articles subjected to elevated temperatures in use. The combination of properties also offers high productivity.

Applications

POLYSTYRENE IMPACT 6540 satisfies the requirements of a wide range of moulding applications. Toys, television housing, food packaging, refrigerator, computer keyboards, office equipment, household items...

Properties

Rheological	Method	Unit	Value
Melt flow index (200°C-5kg)	ISO 1133 H	g/10mn	11.5
Thermal			
Vicat softening point 10N (T° increase = 50°C/h)	ISO 306A50	°C	92
Vicat softening point 50N (T° increase = 50°C/h)	ISO 306B50	°C	83
HDT unannealed under 1.8 MPa	ISO 75-2A	°C	68
HDT annealed under 1.8 MPa	ISO 75-2A	°C	80
Coefficient of linear thermal expansion		mm/°C	9.10 E-5
Mechanical			
Notched Izod impact strength	ISO 180/1A	kJ/m ²	9.5
Tensile strength at yield	ISO 527-2	MPa	25
Tensile strength at break	ISO 527-2	MPa	20
Elongation at break	ISO 527-2	%	45
Flexural modulus	ISO 178	MPa	2100
Rockwell hardness	ISO 2039-2		R 78
Electrical			
Dielectric strength		kV/mm	150
Surface resistivity	ISO IEC 93	Ohms	>10 E+13
Miscellaneous			
Density	ISO 1183	g/cm ³	1.04
Moulding shrinkage		%	0.4-0.7
Water absorption	ISO 62	%	<0.1

General Information

- Standard properties: All tests carried out at 23°C unless otherwise stated. Mechanical properties are measured on injection moulded tests specimens.
- Bulk density: bulk density is approximately 0.6 g/cm³.
- Please refer to the Safety Data Sheet for further information.
- Please refer to the safety data sheet (SDS) for handling and storage information. It is advisable to convert the product within six months after delivery provided storage conditions are used as given in the SDS of our product. SDS may be obtained from the website: www.totalrefiningchemicals.com

Information contained in this publication is true and accurate at the time of publication and to the best of our knowledge. The nominal values stated herein are obtained using laboratory test specimens. Before using one of the products mentioned herein, customers and other users should take all care in determining the suitability of such product for the intended use. Unless specifically indicated, the products mentioned herein are not suitable for applications in the pharmaceutical or medical sector. The Companies within Total Refining & Chemicals do not accept any liability whatsoever arising from the use of this information or the use, application or processing of any product described herein. No information contained in this publication can be considered as a suggestion to infringe patents. The Companies disclaim any liability that may be claimed for infringement or alleged infringement of patents.

Kurt Berger

Von: info
Gesendet: Donnerstag, 5. Februar 2015 10:52
An: Kurt Berger
Betreff: WG: REACH-Bestätigung

Von: Aebischer Daniel [<mailto:d.aebischer@colasit.ch>]
Gesendet: Donnerstag, 5. Februar 2015 09:57
An: info
Betreff: REACH-Bestätigung

Guten Tag Herr Berger,

Wir haben Ihren Fax betreffend der REACH-Bestätigung erhalten.

Wir können Ihnen versichern, dass unsere Produkte die Anforderungen einhalten.
Ich wünsche Ihnen einen schönen Tag.

Freundliche Grüsse Yours sincerely Sincères salutations

Daniel Aebischer
Verkauf Ventilatoren
Marketing + Verkaufsfachmann
eidg. FA
Tel +41 (0)33 655 61 29
d.aebischer@colasit.ch

COLASIT AG - CH-3700 Spiez
Kunststoffbau - Construction en
plastiques - Plastics construction
Postfach 85 - P.O. Box 85 - Case
postale 85
Tel +41 (0)33 655 61 61 - Fax +41
(0)33 654 81 61
www.colasit.ch - info@colasit.ch



SIMONA AG
Teichweg 16 • D-55606 Kirn
Postfach 1 33 • D-55602 Kirn

Telefon (0 67 52) 14-0
Telefax (0 67 52) 14-211

SIMONA

SIMONA® - Halbzeuge

Umsetzung von REACH

Sehr geehrte Damen und Herren,

zur Umsetzung von REACH übermitteln wir Ihnen folgende Informationen:

Das SIMONA®-Produktprogramm umfasst Halbzeuge, Rohre und Formteile, die ausschließlich aus polymeren Werkstoffen bestehen und als solche definitionsgemäß nicht unter die REACH-Verordnung (1907/2006/EG) fallen. Die Verordnung gilt für Chemikalien und Zubereitungen; Polymere sind explizit ausgenommen.

Als Downstream User innerhalb der unter REACH beschriebenen Lieferkette stellen wir sicher, dass unsere Vorlieferanten die an uns gelieferten Stoffe REACH-konform handhaben.

Derzeit ist nicht abzusehen, dass aufgrund von REACH Produkte aus dem SIMONA®-Lieferprogramm herausgenommen werden. Falls die Verfügbarkeit einzelner Rohstoffe durch REACH eingeschränkt sein sollte, werden REACH-konforme Alternativen eingesetzt.

Nach unserem Kenntnisstand ist es nicht erforderlich, alle einzelnen Anwendungsfälle, in die unsere Produkte fließen, zu berücksichtigen, da wir als Halbzeughersteller unsere Produkte nicht registrieren können. Vielmehr müssen wir sicherstellen, dass unsere Rohstofflieferanten „unseren“ Anwendungsbereich (= Herstellung von Kunststoffhalbzeugen, Rohren und Formteilen durch Extrusion und Pressen) bei der Registrierung der Rohstoffe berücksichtigen.

Wir bestätigen, dass unsere Produkte keine Stoffe, die in der Kandidatenliste der ECHA (Candidate List of Substances of Very High Concern, SVHC) aufgeführt sind, in Konzentrationen >0,1% (w/w) enthalten.

Wir hoffen, Ihnen mit dieser Information geholfen zu haben und stehen bei Rückfragen gerne zur Verfügung.

Mit freundlichen Grüßen

SIMONA AG
Technical Service Center

iv. W. H.

i.A. H.