

**Refining & Chemicals**

Total Research & Technology Feluy  
Regulatory Affairs  
Tel. : +32 (0)64 51 40 67  
rc.fer-regaffairs@total.com

Page 1/3

**CERTIFICATE N° 38371**

Feluy, November 6, 2018

**POLYPROPYLENE PPC 4660 grade as produced in Europe****Toy applications – Toy Safety Directive (Directive 2009/48/EC):**

We confirm that the above Product as supplied may be used to manufacture toys in compliance with relevant requirements of the Toy Safety Directive (Directive 2009/48/EC), as adopted by the European Council.

Specifically, the Product:

- is not manufactured with any **PHthalate** prohibited for use in toys, nor is any substance used outside of applicable restrictions under applicable Community legislation. In fact, di(2-ethylhexyl)phthalate (DEHP), dibutyl phthalate (DBP), butylbenzyl phthalate (BBP), di-iso-nonyl phthalate (DINP), di-iso-decyl phthalate (DIDP), di-n-octyl phthalate (DNOP) and di-ethyl phthalate (DEP) are not used in the manufacturing process above the REACH Annex XVII restriction on the use of these substances in toys and childcare articles (max. 0.1 % by mass of the plasticized material).  
Nevertheless, we inform you that traces of di-isobutyl phthalate (DIBP) and di-ethyl phthalate (DEP), may be present in some of our Products, as catalyst modifier residues. These maximum residues would not exceed 1 ppm;
- meets applicable requirements set forth in Annex II, Part III, paragraphs 3 and 7 concerning the use of substances classified as carcinogenic, mutagenic or toxic for reproduction (**CMR**) of category 1A, 1B or 2 under Regulation (EC) No 1272/2008 above the restriction on the use of these substances in toys and childcare articles; moreover the Product is covered by and complying with the provisions for food contact materials set out in Regulation (EC) No 1935/2004;
- meets the limit on **allergenic fragrances** content set forth in Annex II, Part III, paragraph 11. We can hereby confirm that we do not use “allergenic fragrances ” in the manufacturing of the above Product;
- meets migration limits on **heavy metals** and other substances set forth in Annex II, Part III, paragraph 13 ; moreover, we hereby confirm that the above Product meets the relevant requirements of European standards EN 71-3 2013, entitled “Safety of Toys – Part 3 : Migration of certain elements“. The above Product meets the relevant requirements of this standard because every time analyses were performed on this Product (or a specimen representative of this material), results were below the prescribed limits;
- meets the relevant requirements of European standards EN 71-9, September 2005 “Organic Chemical Compounds - Requirements”;

**Refining & Chemicals**

Total Research & Technology Feluy  
Regulatory Affairs  
Tel. : +32 (0)64 51 40 67  
rc.fer-regaffairs@total.com

Page 2/3

**CERTIFICATE N° 38371**

Feluy, November 6, 2018

**POLYPROPYLENE PPC 4660 grade as produced in Europe**

- Is not manufactured with any **Nitrosamines and/or nitrosables** set forth in Annex II, Part III, Paragraph 8.

We note that verification of compliance of the **finished toy product** with all applicable requirements of the Toy Safety Directive 2009/48/EC remain the sole responsibility of the toy manufacturer.

**DISCLAIMER:**

Our certificate is only valid for as far as above mentioned Product was bought from Total or its distributor and does not cover:

- Any modification of the above-mentioned Product by any addition of any other product or ingredient to it;
- Any prejudicial modification of the above-mentioned Product resulting from a processing of it;
- An inadequate use and/or storage of the above-mentioned Product and/or of the finished articles.

Unless specifically indicated in a regulatory certificate of compliance, 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 or animal 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.

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.

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  
Regulatory Affairs  
Tel. : +32 (0)64 51 40 67  
rc.fer-regaffairs@total.com

Page 3/3

**CERTIFICATE N° 38371**

Feluy, November 6, 2018

**POLYPROPYLENE PPC 4660 grade as produced in Europe**

The present certificate is valid for a period of eighteen months starting from the date first above written. Upon the expiration of this certificate, we can issue a new one at your request. In case of change during this period a new certificate will be issued automatically; kindly forward it to any recipient of the present certificate.

TOTAL RESEARCH & TECHNOLOGY FELUY

B. MYCKE  
Regulatory Affairs

F. WYLIN  
Regulatory Affairs, Manager

Issued by an electronic system