



Regulatory Compliance Statement For PBB/PBDE

E. I. du Pont de Nemours and Company

hereby declares, that PBB's (polybrominated biphenyl) and PBDE's (polybrominated diphenyl ether), including penta-bromodiphenyl ether and octa-bromodiphenyl ether, are not intentionally added* during manufacture of the tradename products shown below. To the best of our knowledge, none of our raw material suppliers intentionally add these substances in the manufacture of their products. However, please note that we do not routinely analyze for substances not intentionally added.

Bexloy® Thermoplastic polyester elastomer
Crastin® PBT polyester resin**

Delrin® Acetal resin
Elvamide® nylon resin

Minlon® mineral reinforced nylon resin
Rynite® PET polyester resin**

Hytrex® Thermoplastic polyester elastomer**
Thermx® PCT (or PCTA) High Performance polyester resin**

Zytel® nylon resin**

Zytel® HTN High Performance polyamide resin**

Zenite® LCP liquid crystal polymer resin
Vespel® Parts and Shapes

Quality control procedures and raw material controls are relied upon to assure that, if present at all, the levels of PBB and PBDE are below the limits of the following:

- WEEE / Directive on Waste Electrical and Electronic Equipment (2002/96/EC), effective July 1, 2005, which requires that brominated flame-retardant additives have to be identified if present, for purposes of separate collection of parts at end of life.

*** Some of the Flame-Retarded (FR) tradename resins highlighted above, contain a brominated (halogenated) flame retardant. FR substances are not any of the FRs restricted by 2002/95/EC, 2003/11/EC, or SJ/T 11363-2006 – see below. The specific chemical identification of flame retardant substance(s) in DuPont resin is proprietary information. Refer to product data sheet for Part Marking code, according to ISO 1043-4, which is a plastics industry standard for identifying the type of flame retardant additive, when intentionally added.*

*As defined in the EU Directive 2000/53/EC and the U.S. Toxic Substances Control Act regulations, 40 CFR 710.3(d) and 40 CFR 710.20.3(m).

- RoHS/ Directive on the Restriction of the use of Certain Hazardous Substances in Electrical and Electronic Equipment (2002/95/EC), effective 1 July 2006 and as amended, and as enacted by member states, restricts or prohibits a producer from placing in the EU market new electronic or electrical equipment, containing cadmium, hexavalent chromium, lead, mercury; PBB and PBDE flame retardants in amounts exceeding defined maximum concentration values¹.
- China RoHS/Chinese Regulation SJ/T 11363-2006¹.
- European Directive 2003/11/EC, effective 2003 and when enacted by member states, which amends Council Directive 76/769/EC, and places the following restrictions on the use of pentabromodiphenyl ether (penta-BDE; CAS No. 32534-81-9) and octabromodiphenyl ether (octa-BDE; CAS No. 32536-52-0):
 - PBDE and OBDE may not be placed on the market or used as a substance or as a constituent of substances or of preparations in concentrations higher than 0.1% by mass
 - Articles may not be placed on the market if they, or flame-retarded parts thereof, contain this substance in concentrations higher than 0.1% by mass.
- Canadian Environmental Protection Act, 1999, which restricts PBB in Export Control List, Part 1, Prohibited Substances. Item 2, according to the following definition: "Polybrominated biphenyls that have the molecular formula C₁₂H_(10-n)Br_n in which "n" is greater than 2".
- California State Assembly Bill A.B. 302 which has restrictions similar to European Directive 2003/11/EC and bans the use of any product containing pentabromodiphenyl ether (penta-BDE; CAS No. 32534-81-9) and octabromodiphenyl ether (octa-BDE; CAS No. 32536-52-0) effective Jan. 1, 2008.
- By US state of Hawaii law, signed June 2004, it is prohibited to manufacture, process, or distribute products containing more than 0.1 percent of fire retardants known as polybrominated diphenyl ethers (PBDEs) as of Jan. 1, 2006.

This statement is based on our current level of knowledge and covers commercial and experimental resins as supplied by DuPont at the date of issue. Since conditions of use are outside DuPont's control, DuPont makes no warranties, express or implied, and assumes no liability in connection with any use of this information.



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¹ RoHS/ Directive on the Restriction of the use of Certain Hazardous Substances in Electrical and Electronic Equipment (2002/95/EC), as amended by the European Council Decision of December 2004, and China RoHS/Chinese Regulation SJ/T 11363-2006 set maximum concentration value of 0.1% by weight in homogeneous materials for lead, mercury and hexavalent chromium; 0.01% by weight in homogeneous materials for cadmium, and a maximum concentration value of 0.1% by weight in homogeneous materials for polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE).