

Polylux prefers DuPont™ Crastin® for its innovative Electrical transformer

Application Profile – Electrical / Electronics Industry DuPont™ Crastin®



Application Description

The Polylux's transformer is an electrical transformer of industrial use. It is the only one that can be set to both Class I and Class II. It has a non-flammable enclosure. The user can use it safely because the parts with risk of electrical contact are not directly accessible. There is also a possibility to include fuse protection, upon demand.

DuPont Engineering Polymers has collaborated directly in the development of this product, giving support and advice in the selection of the appropriate polymer and technical help regarding the product properties and some functional calculations

Benefits gained

Innovation & Functionality: Using Crastin® for the housing allows having an attractive design with low weight; easy to handle and to install. In addition, design freedom allows including different functions within the same device.

Electrical properties: Polylux was the first to introduce Crastin® in the sector of the industrial electric transformers. Crastin® has excellent electrical insulating properties and the use of it led to an improvement of the technical characteristics of the transformer.

Productivity increase: Polylux has introduced Crastin® to industrial transformer housing, where thermoset is used today. This change allowed higher productivity and has led to a product innovation.

Materials chosen, and why:

DuPont™ Crastin® SK645FR was selected because of its excellent electrical and mechanical properties. It allowed functional integration and weight reduction, which was not possible with a cast resin transformer.

Manufacturer:

POLYLUX, S.L.
C./ Boters, 3B Parc Tecnològic del Vallès
08290 Cerdanyola del Vallès
Barcelona (SPAIN)
Tel.: +34 93 692 65 65
Email: polylux@polylux.com

For more information...
plastics.dupont.com



The miracles of science™



For more information on DuPont Engineering Polymers:

Americas

DuPont Engineering Polymers
P.O. Box 80022
Wilmington, DE 19880-0022 U.S.A.
Telephone +1 302 999 4592
Toll-Free (USA) 800 441 0575
Fax +1 302 999 4358

DuPont Do Brasil, S.A.
Alameda Itapecuru, 506
06454-080 Barueri, SP Brasil
Telephone +55 11 4166 8531/8647
Fax +55 11 4166 8513

Asia Pacific

DuPont China Holding Co, Ltd.
15th Floor, Shui On Plaza
333 Huai Hai Road (Central)
Shanghai 200021, China
Telephone +86 21 6386 6366
Fax +86 21 6386 6333

DuPont K.K./DuPont Asia Pacific
Sanno Park Tower
11-1 Nagatacho 2-chome
Chiyoda-ku, Tokyo, 100-6111
Japan
Telephone +81 3 5521 8500
Fax +81 3 5521 2595

Europe / Middle East / Africa

DuPont de Nemours International S.A.
2, Chemin du Pavillon -PO Box 50
CH-1218 Le Grand Saconnex
Switzerland
Customer Information Center:
Toll Free: +800 3 876 6838
Telephone: +41 22 717 5950
Fax: +41 22 717 59 48
eu-info@dupont.com

plastics.dupont.com

Let's talk

We have the right materials, technology and technical resources to help you design and manufacture superior parts and systems. Please contact the nearest DuPont representative for your country.

Copyright © 2005 DuPont. The DuPont Oval Logo, DuPont™, The miracles of science™ and all product names denoted with ® are registered trademarks or trademarks of E. I. du Pont de Nemours and Company or its affiliates.

DuPont is a science company. Founded in 1802, DuPont puts science to work by creating sustainable solutions essential to a better, safer, healthier life for people everywhere. Operating in more than 70 countries, DuPont offers a wide range of innovative products and services for markets including agriculture, nutrition, electronics, communications, safety and protection, home and construction, transportation and apparel.

The DuPont Engineering Polymers business manufactures and sells Crastin® PBT and Rynite® PET thermoplastic polyester resins, Delrin® acetal resins, Hytre® thermoplastic polyester elastomers, DuPont ETPV engineering thermoplastic vulcanizates, Minlon® mineral-reinforced nylon resins, Thermx® polycyclohexylene-dimethylene terephthalate, Tynex® nylon filaments, Vespel® parts and shapes, Zenite® liquid crystal polymers and Zytel® nylon resins and Zytel® HTN High Performance Polyamide. These products serve global markets in the aerospace, appliance, automotive, consumer, electrical, electronic, industrial, sporting goods and many other diversified industries.



The miracles of science™