DaelimPoly UE400M

Block copolymer



Product Description

DaelimPoly UE400M is the polypropylene block copolymer manufactured by Ulsan PP under the license of Lyondellbasell using the Spheripol process. DaelimPoly UE400M is for use in injection molding of parts of electrical appliances, containers, battery case.

Features

Optimized balance of stiffness and toughness / High impact strength at low temperature / High stiffness / Low warpage / Good weld strength (Battery case)

Market

Consumer products, Automotive / Compounds

Application Parts of electrical appliances / Containers / Battery case

ASTM Data			
Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C, 2.16kg)	9	g/10 min	ASTM D1238L
Density	0.9	g/cm3	ASTM D1505
Flexural Modulus	11000	kg/cm2	ASTM D790
Tensile Strength at Yield	270	kg/cm2	ASTM D638
Elongation at Yield	6	%	ASTM D638
Izod Impact Strength (23°C)	15	kgfcm/cm	ASTM D256
Izod Impact Strength (-20°C)	6	kgfcm/cm	ASTM D256
Rockwell Hardness	90	R-Scale	ASTM D785
Vicat Softening Point	150	°C	ASTM D1525
HDT (0.46 N/mm²)	100	°C	ASTM D648

¹⁾ The above values are typical property values for reference only not be construed as specification limits.

- i. U.S. FDA Class III, Health Canada Class IV, and/or European Union Class III Medical Devices;
- ii. applications involving permanent implantation into the body;
- iii. life-sustaining medical applications; or
- iv. lead, asbestos or MTBE related applications.

Users are solely liable for any injuries or damages resulting from any use of this product(s) in the above categories and Seller shall have no liability whatsoever.

5) The use of this product is further prohibited in the following categories unless Seller receives a prior notice of each specific application using such product, provided that Seller may refuse to sell such product at its sole discretion.

- i. U.S. FDA Class I, Health Canada Class I, and/or European Union Class I medical devices;
- ii. U.S. FDA Class II, Health Canada Class II or Class III, and/or European Union Class II Medical Devices;
- iii. film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned Medical Devices;
- iv. packaging in direct contact with an active pharmaceutical ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
- v. tobacco related products and applications;
- vi. electronic cigarettes and similar devices; or
- vii. pressure pipe or fittings that are considered a part or component of a nuclear reactor
 - * All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.
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