

Moplen EP547U

Block copolymer



Product Description

Moplen EP547U is the polypropylene block copolymer manufactured by PMC under the license of Lyondellbasell using the Spheripol process. Moplen EP547U is a very high fluidity block copolymer with antistatic agent, suitable for thin-walled injection molding. Typical customer applications are margarine tubs, packing for daily products, ice cream containers, lids, housewares, toy boxes and laundry baskets. Moplen EP547U resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

Features	High flowability/ Optimized balance of stiffness & impact/ Low warpage/ Antistatic/ Odorless
Market	Automotive/Compounds, Rigid Packaging
Application	TWIM/Food containers/Appliance

ASTM Data			
Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C, 2.16kg)	70	g/10 min	ASTM D1238L
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	13000	kg/cm ²	ASTM D790
Tensile Strength at Yield	245	kg/cm ²	ASTM D638
Elongation at Yield	5	%	ASTM D638
Izod Impact Strength (23°C)	8	kgcm/cm	ASTM D256
Izod Impact Strength (-20°C)	5	kgcm/cm	ASTM D256
Rockwell Hardness	95	R-Scale	ASTM D785
Vicat Softening Point	148	°C	ASTM D1525
HDT (0.46 N/mm ²)	120	°C	ASTM D648

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

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- v. tobacco related products and applications;
- vi. electronic cigarettes and similar devices; or
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