DaelimPoly UE542R

Block copolymer

Product Description

DaelimPoly UE542R is the polypropylene block copolymer manufactured by Ulsan PP under the license of Lyondellbasell using the Spheripol process. This grade is for use in injection molding of washing machine tub, thin-walled packaging, parts of electrical appliances, housewares, etc. **DaelimPoly** UE542R resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

Features	Optimized balance of stiffness and toughness / Low warpage / UL94 HB
Market	Consumer products, Rigid packaging
Application	Washing machine tub / Electrical appliance / Housewares

ASTM Data

Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230℃,2.16kg)	30	g/10 min	ASTM D1238L
Density	0.9	g/cm3	ASTM D1505
Flexural Modulus	13700	kg/cm2	ASTM D790
Tensile Strength at Yield	280	kg/cm2	ASTM D638
Elongation at Yield	6	%	ASTM D638
Izod Impact Strength (23℃)	8	kgfcm/cm	ASTM D256
Izod Impact Strength (-20℃)	4	kgfcm/cm	ASTM D256
Rockwell Hardness	95	R-Scale	ASTM D785
Vicat Softening Point	150	℃	ASTM D1525
HDT (0.46 N/mm²)	120	℃	ASTM D648

1) The above values are typical property values for reference only not be construed as specification limits.
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Manufacturer website: www.ulsanpp.com