

Moplen EP541V

Block copolymer



Product Description

MoplenEP541V is the polypropylene block copolymer manufactured by PMC under the license of Lyondellbasell using the Spheripol process. MoplenEP541V is a very high fluidity block copolymer and suitable for TWIM application such as lunch box or coffee cups. MoplenEP541V resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

Features	Excellent flowability/ Optimized balance of stiffness and toughness/ Low warpage/ Odorless
Market	Consumer Products, Rigid Packaging
Application	TWIM

ASTM Data

Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C, 2.16kg)	110	g/10 min	ASTM D1238L
Flexural Modulus	13500	kg/cm ²	ASTM D790
Tensile Strength at Yield	240	kg/cm ²	ASTM D638
Elongation at Yield	4	%	ASTM D638
Izod Impact Strength (23°C)	3	kgcm/cm	ASTM D256
Rockwell Hardness	100	R-Scale	ASTM D785
Vicat Softening Point	150	°C	ASTM D1525
HDT (0.46 N/mm ²)	125	°C	ASTM D648

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

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- vi. electronic cigarettes and similar devices; or
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