

Moplen EP642S

Block copolymer



Product Description

Moplen EP642S is the polypropylene block copolymer manufactured by PMC under the license of Lyondellbasell using the Spheripol process. Moplen EP642S is a block copolymer suitable for automotive compounding, thin-walled packaging, housewares, etc. Moplen EP642S 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/ High flowability/ Low warpage
Market	Automotive/Compounds, Consumer Products
Application	Automotive compound/ TWIM/ Houseware/ Containers

ASTM Data			
Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C,2.16kg)	37	g/10 min	ASTM D1238L
Density	0.9	g/cm3	ASTM D1505
Flexural Modulus	16000	kg/cm2	ASTM D790
Tensile Strength at Yield	280	kg/cm2	ASTM D638
Elongation at Yield	4	%	ASTM D638
Izod Impact Strength (23°C)	8	kgcm/cm	ASTM D256
Izod Impact Strength (-20°C)	4	kgcm/cm	ASTM D256
Rockwell Hardness	98	R-Scale	ASTM D785
Vicat Softening Point	150	°C	ASTM D1525
HDT (0.46 N/mm²)	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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- iv. lead, asbestos or MTBE related applications.

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