

Moplen EP440M

Block copolymer



Product Description

Moplen EP440M is the high isotactic polypropylene block copolymer manufactured by PMC under the license of Lyondellbasell using the Spheripol process. Moplen EP440M is a block copolymer and it is typically used by customers for injection molding of battery case.

Features	Optimized balance of stiffness and toughness/ Good welding strength
Market	Automotive/Compounds, Consumer Products
Application	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/cm ³	ASTM D1505
Flexural Modulus	12000	kg/cm ²	ASTM D790
Tensile Strength at Yield	280	kg/cm ²	ASTM D638
Elongation at Yield	6	%	ASTM D638
Izod Impact Strength (23°C)	10	kgcm/cm	ASTM D256
Izod Impact Strength (-20°C)	4	kgcm/cm	ASTM D256
Rockwell Hardness	97	R-Scale	ASTM D785
Vicat Softening Point	150	°C	ASTM D1525
HDT (0.46 N/mm ²)	100	°C	ASTM D648

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

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