

Moplen EP500N

Block copolymer



Product Description

Moplen EP500N is the polypropylene block copolymer manufactured by PMC under the license of Lyondellbasell using the Spheripol process. Moplen EP500N is a block copolymer selected by customers in used in injection molding of containers, parts of electrical appliances, crates and pails. Moplen EP500N 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/ UL94 HB
Market	Consumer Products, Automotive/Compounds
Application	Parts of electrical appliances/ Pail/ Housewares

ASTM Data			
Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C,2.16kg)	12	g/10 min	ASTM D1238L
Density	0.9	g/cm3	ASTM D1505
Flexural Modulus	11500	kg/cm2	ASTM D790
Tensile Strength at Yeild	270	kg/cm2	ASTM D638
Elongation at Yeild	6	%	ASTM D638
Izod Impact Strength (23°C)	10	kgcm/cm	ASTM D256
Izod Impact Strength (-20°C)	5	kgcm/cm	ASTM D256
Rockwell Hardness	95	R-Scale	ASTM D785
Vicat Softening Point	150	°C	ASTM D1525
HDT (0.46 N/mm²)	110	°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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- vi. electronic cigarettes and similar devices; or
- vii. pressure pipe or fittings that are considered a part or component of a nuclear reactor

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