

Moplen EP300L

Block copolymer



Product Description

Moplen EP300L is the polypropylene block copolymer manufactured by PMC under the license of Lyondellbasell using Spheripol process. Moplen EP300L is a block copolymer used for use in injection molding applications of toys, crates and battery cases. Moplen EP300L meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact and a flame rating of UL94HB.

Features	High impact resistance/ High drop weight impact resistance/ UL94HB
Market	Consumer Products, Automotive/Compounds
Application	Toy/ Pail/ Crate/ Pallet/ Housewares

ASTM Data			
Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C, 2.16kg)	5	g/10 min	ASTM D1238L
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	10500	kg/cm ²	ASTM D790
Tensile Strength at Yield	260	kg/cm ²	ASTM D638
Elongation at Yield	6	%	ASTM D638
Izod Impact Strength (23°C)	NB	kgcm/cm	ASTM D256
Izod Impact Strength (-20°C)	8	kgcm/cm	ASTM D256
Rockwell Hardness	90	R-Scale	ASTM D785
Vicat Softening Point	150	°C	ASTM D1525
HDT (0.46 N/mm ²)	90	°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
- vii. pressure pipe or fittings that are considered a part or component of a nuclear reactor

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