

Moplen EP300C

Block copolymer



Product Description

Moplen EP300C is the polypropylene block copolymer manufactured by PMC under the license of Lyondellbasell using Spheripol process. Moplen EP300C is a polypropylene block copolymer typically used in sheet and thermoforming applications. Moplen EP300C meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

Features	High impact resistance/ Heat resistance/ Low gel property
Market	Rigid Packaging, Consumer Products
Application	Food packaging and tray/ Rigid sheet/ Corrugated board/ Irrigation tape

ASTM Data			
Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C, 2.16kg)	0.5	g/10 min	ASTM D1238L
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	11000	kg/cm ²	ASTM D790
Tensile Strength at Yield	320	kg/cm ²	ASTM D638
Elongation at Yield	10	%	ASTM D638
Izod Impact Strength (23°C)	NB	kgcm/cm	ASTM D256
Izod Impact Strength (-20°C)	6	kgcm/cm	ASTM D256
Rockwell Hardness	87	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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- iv. lead, asbestos or MTBE related applications.

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- vi. electronic cigarettes and similar devices; or
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