

Moplen EP300K

Block copolymer



Product Description

Moplen EP300K is a low fluidity heterophasic copolymer manufactured by PMC under the license of Lyondellbasell using Spheripol process. *Moplen* EP300K is suitable for injection molding applications. The product exhibits very high impact even at low temperature combined with a good stiffness.

Moplen EP300K is typically used in housewares and crates. *Moplen* EP300K meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

Features	High impact resistance even at low temperature/ Optimized balance of mechanical properties/ Low warpage
Market	Consumer Products, Automotive/Compounds
Application	E&E/ Housewares/ Crates

ASTM Data			
Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C, 2.16kg)	4	g/10 min	ASTM D1238L
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	12500	kg/cm ²	ASTM D790
Tensile Strength at Yield	260	kg/cm ²	ASTM D638
Elongation at Yield	7	%	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	148	°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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