

Moplen EP548S

Block copolymer



Product Description

Moplen EP548S is a nucleated heterophasic copolymer, suitable for injection moulding applications, and contains an anti-static agent. It exhibits an outstanding balance of mechanical properties combined with a medium high fluidity. Moplen EP548S is extensively used in housewares and in thin-walled containers. Moplen EP548S resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

Features	High flowability/ Anti-static property/ Optimized balance of stiffness and toughness/ Low warpage
Market	Consumer Products, Rigid Packaging
Application	TWIM Containers/ Housewares/ Leisure and sports goods

ASTM Data			
Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C, 2.16kg)	44	g/10 min	ASTM D1238L
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	15000	kg/cm ²	ASTM D790
Tensile Strength at Yield	280	kg/cm ²	ASTM D638
Elongation at Yield	4	%	ASTM D638
Izod Impact Strength (23°C)	5	kgcm/cm	ASTM D256
Izod Impact Strength (-20°C)	3	kgcm/cm	ASTM D256
Rockwell Hardness	100	R-Scale	ASTM D785
Vicat Softening Point	150	°C	ASTM D1525
HDT (0.46 N/mm ²)	125	°C	ASTM D648

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

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