

Moplen EP5078

Block copolymer



Product Description

Moplen EP5078 is a low fluidity heterophasic copolymer designed for extrusion applications with smooth process ability and high mechanical properties. Main applications are extrusion of film/sheet and Thermoforming for heavy duty applications, lamination film and extrusion blow molding containers.

Moplen EP5078 is suitable for food contact.

Features	Optimized balance of stiffness and toughness/ High gloss/ High heat resistance
Market	Rigid Packaging, Industrial & Pipe
Application	Food packaging & tray/ Cosmetic bottles/ Detergent bottles

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	14000	kg/cm ²	ASTM D790
Tensile Strength at Yield	300	kg/cm ²	ASTM D638
Elongation at Yield	11	%	ASTM D638
Izod Impact Strength (23°C)	NB	kgcm/cm	ASTM D256
Rockwell Hardness	98	R-Scale	ASTM D785
Vicat Softening Point	147	°C	ASTM D1525
HDT (0.46 N/mm ²)	107	°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. packaging in direct contact with an active pharmaceutical ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
- v. tobacco related products and applications;
- vi. electronic cigarettes and similar devices; or
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