

Moplen EP5079

Block copolymer



Product Description

Moplen EP5079 is high stiffness impact copolymer designed for extrusion applications with smooth process ability and high mechanical properties. MoplenEP5079 is manufactured by PMC under lincen of Lyondellbasell using Spheripol process. MoplenEP5079meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

Features	High stiffness/ High impact resistance/ High heat resistance/ Low gel property
Market	Rigid Packaging, Industrial & Pipe
Application	Food packaging & tray/ Cosmetic bottles & EBM 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/cm3	ASTM D1505
Flexural Modulus	15000	kg/cm2	ASTM D790
Tensile Strength at Yeild	320	kg/cm2	ASTM D638
Elongation at Yeild	11	%	ASTM D638
Izod Impact Strength (23°C)	NB	kgcm/cm	ASTM D256
HDT (0.46 N/mm²)	120	°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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