

Moplen EP640E

Block copolymer



Product Description

Moplen EP640E is high stiffness & impact resistance copolymer designed for extrusion applications with smooth process ability and high mechanical properties. Moplen EP640E has very good balance with stiffness and impact resistance with high heat resistance. Moplen EP640E meets 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, Consumer Products
Application	Sheet, thermoforming & Extrusion blow molding applications/ Blown film applications

ASTM Data

Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C,2.16kg)	0.8	g/10 min	ASTM D1238L
Density	0.9	g/cm3	ASTM D1505
Flexural Modulus	15500	kg/cm2	ASTM D790
Tensile Strength at Yield	320	kg/cm2	ASTM D638
Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (23°C)	NB	kgcm/cm	ASTM D256
HDT (0.46 N/mm²)	123	°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
- vii. pressure pipe or fittings that are considered a part or component of a nuclear reactor

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