

Moplen EP548PK

Block copolymer



Product Description

Moplen EP548PK is a nucleated heterophasic copolymer, suitable for injection moulding applications, and contains an anti-static agent. It exhibits a high stiffness combined with a medium fluidity. The product is extensively used in houseware, furniture, cylindrical containers and crates. **Moplen EP548PK** resin meets the **FDA** requirements in the Code of Federal Regulations in **21 CFR 177.1520** for food contact.

Features	Optimized balance of stiffness and toughness / Anti-static property / Low warpage
Market	Consumer Products / Rigid Packaging
Application	Crates / Furniture / Housewares / Opaque containers

ASTM Data			
Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C, 2.16kg)	16	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	260	kg/cm ²	ASTM D638
Izod Impact Strength (23°C)	16	kgfcm/cm	ASTM D256
Izod Impact Strength (-20°C)	6	kgfcm/cm	ASTM D256
Rockwell Hardness	95	R-Scale	ASTM D785
Vicat Softening Point	147	°C	ASTM D1525
HDT (0.46 N/mm ²)	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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- iii. life-sustaining medical applications; or
- iv. lead, asbestos or MTBE related applications.

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- iii. film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned Medical Devices;
- 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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