

Moplen EP548S

Block copolymer



Product Description

Moplen EP548S is a nucleated heterophasic copolymer, suitable for injection molding applications, and contains an anti-static agent. It exhibits an outstanding balance of mechanical properties combined with a medium high fluidity. This product 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	kgfcm/cm	ASTM D256
Izod Impact Strength (-20°C)	3	kgfcm/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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- 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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