

Moplen EP649N

Block copolymer



Product Description

Moplen EP649N is a medium flow heterophasic copolymer development grade with outstanding mechanical properties and antistatics. The product features an easy processability and an excellent stiffness combined with good impact properties and high gloss. This grade is suitable for a wide range of appliances parts, Toys and consumer goods industries. *Moplen* EP649N resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

Features	High gloss/ High stiffness/ Scratch resistance/ Good anti-static property/ UL 94 HB
Market	Consumer Products, Rigid Packaging
Application	Refrigerator/Vacuum Cleaner/Washing Machine parts/Toys/Houseware

ASTM Data

Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C, 2.16kg)	10	g/10 min	ASTM D1238L
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	18500	kg/cm ²	ASTM D790
Tensile Strength at Yield	320	kg/cm ²	ASTM D638
Elongation at Yield	7	%	ASTM D638
Izod Impact Strength (23°C)	10	kgcm/cm	ASTM D256
Izod Impact Strength (-20°C)	4	kgcm/cm	ASTM D256
Rockwell Hardness	105	R-Scale	ASTM D785
Vicat Softening Point	150	°C	ASTM D1525
HDT (0.46 N/mm ²)	130	°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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- 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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