

Moplen EP241N

Block copolymer



Product Description

Moplen EP241N is the polypropylene block copolymer manufactured by Ulsan PP under the license of **Lyondellbasell** using the **Spheripol** process.

Moplen EP241N is for use in injection molding applications of Sharp container (Medical waste container), Automotive compound, E&E, housewares.

Moplen EP241N meets the **FDA** requirements in the Code of Federal Regulations in **21 CFR 177.1520** for food contact.

Features High impact resistance/ High drop weight impact resistance / Good stiffness & impact balance

Market Consumer Products, Automotive/Compounds

Application Sharp container / Automotive compound / E&E / 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	10500	kg/cm ²	ASTM D790
Tensile Strength at Yield	200	kg/cm ²	ASTM D638
Elongation at Yield	7	%	ASTM D638
Izod Impact Strength (23°C)	N.B	kgfcm/cm	ASTM D256
Izod Impact Strength (-20°C)	8.5	kgfcm/cm	ASTM D256
Rockwell Hardness	95	R-Scale	ASTM D785
HDT (0.46 N/mm ²)	100	°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

※ All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

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