

Moplen EP400M

Block copolymer



Product Description

Moplen EP400M is the polypropylene block copolymer manufactured by Ulsan PP under the license of LyondellBasell using the Spheripol process. **Moplen EP400M** is for use in injection molding of parts of electrical appliances, containers, battery case. **Moplen EP400M** meets a flame rating of UL94HB.

Features Optimized balance of stiffness and toughness / High impact strength at low temperature / High stiffness / Low warpage / Good weld strength (Battery case) / UL94HB

Market Consumer products, Automotive / Compounds

Application Parts of electrical appliances / Containers / Battery case

ASTM Data			
Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C, 2.16kg)	9	g/10 min	ASTM D1238L
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	11000	kg/cm ²	ASTM D790
Tensile Strength at Yield	270	kg/cm ²	ASTM D638
Elongation at Yield	6	%	ASTM D638
Izod Impact Strength (23°C)	15	kgfcm/cm	ASTM D256
Izod Impact Strength (-20°C)	6	kgfcm/cm	ASTM D256
Rockwell Hardness	90	R-Scale	ASTM D785
Vicat Softening Point	150	°C	ASTM D1525
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.

2) Before using UlsanPP product, users shall review carefully Seller's instructions for the use of such product and make their own independent determination of whether the product is suitable for the intended use and can be used safely and legally. If users fail to comply with Seller's restrictions and instructions for the use of the product or an obligation to notify Seller, if applicable, of each specific application before using such product in certain categories of application, users are solely liable for any injuries or damages resulting from their use of such product and Seller shall have no liability whatsoever.

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- iii. life-sustaining medical applications; or
- 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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