

# 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, featuring an optimized balance of stiffness and toughness, and is suitable for injection molding applications such as electrical and electronic components, containers, and battery cases. **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 <sup>3</sup>	ASTM D1505
Flexural Modulus	13,000	kg/cm <sup>2</sup>	ASTM D790
Tensile Strength at Yield	270	kg/cm <sup>2</sup>	ASTM D638
Elongation at Yield	6	%	ASTM D638
Izod Impact Strength (23°C)	12	kgfcm/cm	ASTM D256
Izod Impact Strength (-20°C)	4	kgfcm/cm	ASTM D256
Rockwell Hardness	100	R-Scale	ASTM D785
Vicat Softening Point	150	°C	ASTM D1525
HDT (0.46 N/mm <sup>2</sup> )	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

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