

# 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 <sup>3</sup>	ASTM D1505
Flexural Modulus	10500	kg/cm <sup>2</sup>	ASTM D790
Tensile Strength at Yield	200	kg/cm <sup>2</sup>	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 <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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- 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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