

Moplen EP300H

Block copolymer



Product Description

Moplen EP300H is a heterophasic copolymer manufactured by PMC under the license of LyondellBasell using Spheripol process. *Moplen* EP300H is suitable for injection molding as well as for thermoforming applications. The features of *Moplen* EP300H are an excellent low temperature impact resistance combined with a good processability. *Moplen* EP300H 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
Market	Consumer Products, Automotive/Compounds
Application	Pail/ Crate/ Toys/ Appliances/ Stationary sheets

ASTM Data

Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C, 2.16kg)	2	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	280	kg/cm ²	ASTM D638
Elongation at Yield	8	%	ASTM D638
Izod Impact Strength (23°C)	NB	kgcm/cm	ASTM D256
Izod Impact Strength (-20°C)	7	kgcm/cm	ASTM D256
Rockwell Hardness	90	R-Scale	ASTM D785
HDT (0.46 N/mm ²)	110	°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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- 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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