

Moplen EP300L Data Sheet



Toy

Moplen EP300L is the polypropylene block copolymer manufactured by PMC under the license of BASSELL using the Spheripol process. Moplen EP300L is a block copolymer selected by customers for use in injection molding of toys, crates, battery case.

Moplen EP300L resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

Moplen EP300L has a flame rating of UL94HB.

Product Features

Optimized balance of stiffness and toughness/High impact strength at low temperature/Low warpage

Typical Applications

Toy/Pail/Crate/Pallet

Typical Resin Properties (a)	ASTM	Value
Melt Flow Rate (230°C, 2.16kg) (g/10min)	D 1238L	5
Density (g/cm ³)	D 1505	0.9
Flexural Modulus (kg/cm ²)	D 790	10500
Tensile Strength at Yield (kg/cm ²)	D 638	260
Elongation at Yield (%)	D 638	6
Izod Impact Strength(23°C) (kgcm/cm)	D 256	50
Izod Impact Strength(-20°C) (kgcm/cm)	D 256	8
Rockwell hardness (R scale)	D 785	90
Vicat softening point (°C)	D 1525	150
HDT(0.46N/mm ²) (°C)	D 648	90

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b) This grade is not suitable for medical applications.

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