

Technical Data Sheet

Moplen EP640S

Polypropylene, Impact Copolymer

Product Description

Moplen EP640S is a polypropylene impact copolymer with optimized balance of stiffness and toughness, high impact strength at low temperature, and low warpage. Typical customer applications include injection molding of parts of electrical appliances and automotives, thin wall injection molding (TWIM), general housewares.

Application	Appliances; Automotive Parts; Housewares; TWIM Food Containers; TWIM Non-food Containers
Market	Automotive; Consumer Products; Electrical / Electronics; Rigid Packaging
Processing Method	Injection Molding
Attribute	Good Impact Resistance; High Stiffness; Impact Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	40	g/10 min	ASTM D1238
Density	0.90	g/cm ³	ASTM D792
Mechanical			
Flexural Modulus	1600	MPa	ASTM D790
Tensile Strength at Yield	28	MPa	ASTM D638
Tensile Elongation at Yield	4	%	ASTM D638
Impact			
Notched Izod Impact Strength			
(23 °C)	80	J/m	ASTM D256
(-20 °C)	40	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	98		ASTM D785