



Moplen EP648N

Polypropylene, Impact Copolymer

Product Description

Moplen EP648N is a polypropylene impact copolymer manufactured using the Spheripol process. This grade is known for having an optimized balance of stiffness and toughness, with high gloss. Typical applications include injection molding of electrical appliance parts, toys and containers.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Method	Injection Molding
Features	Antistatic, Impact Copolymer, High Gloss, Scratch Resistant, High Stiffness
Typical Customer Applications	Sports, Leisure and Toys, Housewares, Dishwashing, Washing, Small Appliances, Opaque Containers

Typical Properties	Method	Value Unit
Physical		
Density -Specific Gravity	ASTM D 792	0.9 g/cm ³
Melt flow rate (230°C/2.16kg)	ASTM D 1238	10 g/10 min
Note: ASTM D1238L		
Mechanical		
Tensile Strength @ Yield	ASTM D 638	300 kg/cm ²
Flexural Modulus	ASTM D 790	16500 kg/cm ²
Tensile Elongation @ Yld	ASTM D 638	8 %
Impact		
Notched izod impact	ASTM D 256	
(23 °C)		7.5 kg-cm/cm
(-20 °C)		4.0 kg-cm/cm
Thermal		
Heat deflection temperature at 0.46 N/mm ²	ASTM D 648	125 °C

Notes

Typical properties; not to be construed as specifications.

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- ┆ Basell Sales & Marketing Company B.V.
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Users should review the applicable Material Safety Data Sheet before handling the product.

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