



Moplen EP200R

Polypropylene, Impact Copolymer

Product Description

Moplen EP200R is a "Reactor-made Thermoplastic PolyOlefin" manufactured using the Spheripol process. It is an ultra high impact copolymer suitable for demanding injection molding applications. It also has been widely used as a compounding base resin for automotive bumper fascia .

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Injection Molding
Features	Impact Copolymer, Low Temperature Impact Resistance, Good Processability, Good Toughness
Typical Customer Applications	Exterior Applications, Interior Applications

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230°C/2.16kg) <i>Note: ASTM D1238L</i>	ASTM D 1238	21	g/10 min
Density	ASTM D 1505	0.9	g/cm ³
Mechanical			
Flexural Modulus	ASTM D 790	7500	kg/cm ²
Tensile Strength @ Yield	ASTM D 638	190	kg/cm ²
Tensile Elongation @ Yield	ASTM D 638	7	%
Impact			
Notched Izod Impact (23 °C) (-20 °C)	ASTM D 256	No Break	kg-cm/cm
		14	kg-cm/cm
Hardness			
Rockwell Hardness (R Scale)	ASTM D 785	50	
Durometer Hardness (Shore D)	ASTM D 2240	60	
Thermal			
Vicat softening point	ASTM D 1525	150	°C

Notes

Typical properties; not to be construed as specifications.