

Technical Data Sheet

Hifax EP200R



Polypropylene, Impact Copolymer

Product Description

Moplen EP200R is a "Reactor-made Thermoplastic PolyOlefin", super impact copolymer with high impact resistance. Typical customer application is compounding base resin for automotive bumper fascia.

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand
Application	Exterior Automotive Applications; Interior Automotive Applications
Market	Automotive; Consumer Products; Industrial Packaging
Processing Method	Injection Molding
Attribute	Good Processability; Good Toughness; Impact Copolymer; Low Temperature Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	21	g/10 min	ASTM D1238
Density	0.90	g/cm ³	ASTM D792
Mechanical			
Flexural Modulus	750	MPa	ASTM D790
Tensile Strength at Yield	18	MPa	ASTM D638
Tensile Elongation at Yield	6	%	ASTM D638
Impact			
Notched Izod Impact Strength			
(23 °C)	No Break		ASTM D256
(-20 °C)	130	J/m	ASTM D256
Hardness			
Shore Hardness, (Shore D)	60		ASTM D2240
Rockwell Hardness, (R-Scale)	50		ASTM D785
Thermal			
Vicat Softening Point	130	°C	ASTM D1525
Deflection Temperature Under Load, (0.46 N/mm ²)	85	°C	ASTM D648
Optical			
Gardner Gloss, (60°)	30		ASTM D523

Notes

These are typical property values not to be construed as specification limits.