Technical Data Sheet

Hifax EP3080

Polypropylene, Impact Copolymer

Product Description

Hifax EP3080 is non-filled polypropylene copolymer for injection molding with very high impact strength. The grade features improved processability. The grade is natural, in pellet form.
Hifax EP3080 is currently used by customers for the production of painted bumpers for automotive.

Status	Commercial: Active
Availability	Africa-Middle East; Europe
Application	Bumpers
Market	Automotive
Processing Method	Compounding; Injection Molding
Attribute	High Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	7.5	g/10 min	ISO 1133-1
Density, (23 °C, Method A)	0.89	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	950	MPa	ISO 178
Tensile Stress at Break	15	MPa	ISO 527-1, -2
Tensile Stress at Yield	17	MPa	ISO 527-1, -2
Tensile Strain at Break	500	%	ISO 527-1, -2
Tensile Strain at Yield	6	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	65	kJ/m²	ISO 179
(-20 °C)	15	kJ/m²	ISO 179
(-30 °C)	10	kJ/m²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	135	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	80	°C	ISO 75B-1, -2
DSC Melting Point	163	°C	ISO 11357-3

Notes

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