Technical Data Sheet

Hifax EP3080G

Polypropylene, Impact Copolymer

Product Description

Hifax EP3080G is non-filled polypropylene copolymer for injection molding with very high impact strength. The grade has good UV resistance designed for outdoor applications. The grade is natural, in pellet forms.
Hifax EP3080G is currently used by customers for the production of non-painted bumpers for automotive.

Application	Bumpers
Market	Automotive
Processing Method	Compounding; Injection Molding
Attribute	Good UV Resistance; 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	900	MPa	ISO 178
Tensile Modulus	800	MPa	ISO 527-1, -2
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)	130	°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