Hifax EP 3080

Polypropylene, Impact Copolymer

Product Description

Hifax EP 3080 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.

Typival customer applications for *Hifax* EP 3080 are painted bumpers for automotive.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Processing Methods	Injection Molding
Features	High Impact Resistance
Typical Customer Applications	Bumpers

Typical Properties	Method	Value	Unit
Physical			
Density (Method A)	ISO 1183	0.9	g/cm³
Melt flow rate (MFR) (230°C/2.16kg)	ISO 1133	7.5	g/10 min
Mechanical			
Tensile Stress at Break	ISO 527-1, -2	13	MPa
Tensile Stress at Yield	ISO 527-1, -2	17	MPa
Tensile Strain at Break	ISO 527-1, -2	>100	%
Tensile Strain at Yield	ISO 527-1, -2	5	%
Flexural modulus	ISO 178	900	MPa
Impact			
Notched izod impact strength	ISO 180		
(23 °C, Type 1, Notch A)		No break	kJ/m²
(- 20 °C, Type 1, Notch A)		15	kJ/m²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	70	°C
Vicat softening temperature	ISO 306	130	°C
Note: Method A			

Notes

Typical properties; not to be construed as specifications.