

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.

Typical customer applications for Hifax EP 3080 are painted bumpers for automotive.

Product Characteristics

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 (23 °C, Type 1, Notch A) (- 20 °C, Type 1, Notch A)	ISO 180	No break	kJ/m²
		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.

