

## 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.

<b>Application</b>	Bumpers
<b>Market</b>	Automotive
<b>Processing Method</b>	Compounding; Injection Molding
<b>Attribute</b>	High Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	7.5	g/10 min	ISO 1133-1
Density, (23 °C, Method A)	0.89	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
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
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C)	65	kJ/m <sup>2</sup>	ISO 179
(-20 °C)	15	kJ/m <sup>2</sup>	ISO 179
(-30 °C)	10	kJ/m <sup>2</sup>	ISO 179
<b>Thermal</b>			
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