

**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.

**Regulatory Status**

For regulatory compliance information, see Hifax EP3080G [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

<b>Status</b>	Commercial: Active
<b>Availability</b>	Africa-Middle East; Europe
<b>Application</b>	Bumpers
<b>Market</b>	Automotive
<b>Processing Method</b>	Compounding; Injection Molding
<b>Attribute</b>	Good UV Resistance; 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

## Notes

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

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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