

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.

Regulatory Status

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

Status	Commercial: Active
Availability	Africa-Middle East; Europe
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/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	950	MPa	ISO 178
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/m ²	ISO 179
(-20 °C)	15	kJ/m ²	ISO 179
(-30 °C)	10	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	135	°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.

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Recipient Tracking #:
Request #: 907837

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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- (i) U.S. FDA Class I or II Medical Devices; Health Canada Class I, II or III Medical Devices; European Union Class I or II Medical Devices;
- (ii) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices;
- (iii) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
- (iv) tobacco related products and applications, electronic cigarettes and similar devices.
- (v) safety components in automotive applications, for example: air bags, air bag unit housings and covers, seat belt mechanisms, brake systems, pedals and pedal supports, steering systems.

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- (i) U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices;
- (ii) applications involving permanent implantation into the body;
- (iii) life-sustaining medical applications.

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