

Technical Data Sheet

Hifax TYC007P BLK

Polypropylene Compounds



Product Description

Hifax TYC007P BLK very high melt flow, very high flexural modulus, UV-stabilized, mineral-filled thermoplastic elastomeric olefin (TEO) resin has an excellent balance of properties and processability. It is typically used for automotive bumper fascias.

Regulatory Status

For regulatory compliance information, see *Hifax* TYC007P BLK [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Application	Automotive Parts; Bumpers; Exterior Automotive Applications
Market	Automotive
Processing Method	Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	31	g/10 min	ASTM D1238
Density, (23 °C)	1.05	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C, 2 mm/min)	2100	MPa	ISO 178
Tensile Modulus, (23 °C, 50 mm/min, Chord)	2000	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	20	MPa	ISO 527-1, -2
Impact			
Notched Izod Impact Strength			
(23 °C)	42	kJ/m ²	ASTM D256
(-30 °C)	5	kJ/m ²	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	63		ISO 2039-2
Thermal			
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	115	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	59	°C	ISO 75A-1, -2
Additional Information			
Mold Shrinkage			ISO 294-4
Please contact LyondellBasell for shrinkage recommendations.			

Notes

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

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Recipient Tracking #:
Request #: 909033

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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- (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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- (ii) applications involving permanent implantation into the body;
- (iii) life-sustaining medical applications.

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