

Hifax 7430 XEP

Advanced Polyolefin

Product Description

Hifax 7430 XEP is a reactor TPO (thermoplastic polyolefin) manufactured using LyondellBasell's proprietary *Catalloy* process technology.

It is a high melt flow, medium-high flexural modulus, highly crystalline copolymer with good balance of impact and stiffness. It is primarily used in interior trim applications requiring low temperature high speed impact performance. It is also used as a component in compounded materials for automotive and industrial applications.

The grade is available in natural pellet form.

For regulatory compliance information see *Hifax 7430 XEP Product Stewardship Bulletin (PSB)*.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	North America, Latin America
Processing Methods	Injection Molding
Features	Low Temperature Impact Resistance, Good Stiffness
Typical Customer Applications	Automotive Parts, Interior Applications

Typical Properties	Method	Value	Unit
Physical			
Density (Method A)	ISO 1183	0.89	g/cm ³
Melt flow rate (MFR) (230 °C/ 2.16 kg)	ISO 1133	18.5	g/10 min
Mechanical			
Tensile Stress at Break (23 °C, 50 mm/min)	ISO 527-1, -2	14	MPa
Tensile Stress at Yield (23 °C, 50 mm/min)	ISO 527-1, -2	20	MPa
Tensile Strain at Break (23 °C, 50 mm/min)	ISO 527-1, -2	32	%
Tensile Strain at Yield (23 °C, 50 mm/min)	ISO 527-1, -2	5	%
Flexural modulus (23 °C, 2 mm/min, Chord)	ISO 178	1300	MPa
Impact			
Notched izod impact strength (23 °C, Type 1, Notch A) <i>Note: Failure Mode: Complete</i>	ISO 180	11	kJ/m ²
(- 40°C, Type 1, Notch A) <i>Note: Failure Mode: Complete</i>		5.3	
Multiaxial Impact Strength (23 °C, 2.2 m/s) <i>Note: Energy @ Max Load on 3.2 mm plq</i> Failure Mode: Ductile	ASTM D3763	18	J
(-40 °C, 2.2 m/s) <i>Note: Energy @ Max Load on 3.2 mm plq</i> Failure Mode: Ductile		28	J
Hardness			
Shore hardness D	ISO 868/ASTM D 2240	56	

Note: 15 seconds

Thermal

Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	85	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	50	°C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	131	°C
Melting temperature	DSC	161	°C

Note: ISO 11357-3

Additional Information

Mold shrinkage ISO 294-4

Note: Please contact Equistar for shrinkage recommendations

Additional Properties

AUTOMOTIVE SPECIFICATIONS:
Chrysler MS-DC256A CPN 4131

Notes

Typical properties; not to be construed as specifications.

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LyondellBasell markets this product through the following entities:

- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
- LyondellBasell Australia Pty Ltd

For the contact details of the LyondellBasell company selling this product in your country, please visit <http://www.lyb.com/>.

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This product(s) may not be used in:

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All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

Users should review the applicable Material Safety Data Sheet before handling the product.

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