



Hifax 7254 XEP

Advanced Polyolefin

Product Description

Hifax 7254 XEP is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary *Catalloy* process technology. It is used for injection molding. It features high melt flow rate, with optimal impact/stiffness balance with controlled shrinkage. It is designed mainly for automotive applications. The grade is available in natural pellet form. For regulatory compliance information see *Hifax 7254 XEP Regulatory Affairs Product Stewardship Information/Certification Data Sheet (RAPIDS)*, which can be found on www.polymers.lyondellbasell.com.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, North America, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Method	Injection Molding, Extrusion Compounding
Features	Good Dimensional Stability, High Flow , Good Impact Resistance , Good Stiffness
Typical Customer Applications	Interior Applications, Polymer modifier, Automotive Parts

Typical Properties	Method	Value Unit
Physical		
Density	ISO 1183	0.89 kg/m ³
Melt flow rate (MFR)	ISO 1133	11 g/10 min
<i>Note: 230°C, 2.16 kg</i>		
Mechanical		
Tensile Stress at Break	ISO 527-1, -2	15 MPa
Tensile Stress at Yield	ISO 527-1, -2	20 MPa
Tensile Strain at Break	ISO 527-1, -2	40 %
Tensile Strain at Yield	ISO 527-1, -2	5 %
Flexural modulus	ISO 178	1200 MPa
Impact		
Notched izod impact strength	ISO 180	
(+23 °C)		15 kJ/m ²
(-20 °C)		7 kJ/m ²
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	81 °C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	141 °C

Additional Properties

Shrinkage (internal test method): MD 1.3% TD 1.4%

Notes

Typical properties; not to be construed as specifications.

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Unless specifically indicated, the grades mentioned are not suitable for applications in the

pharmaceutical/medical sector.

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