

# Hifax 7254 XEP

Polyolefin  
LyondellBasell Industries

Message:

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.

General Information			
Features	Good Dimensional Stability		
	Good Impact Resistance		
	Good Stiffness		
	High Flow		
Uses	Automotive Applications		
	Automotive Interior Parts		
	Compounding		
	Plastics Modification		
Processing Method	Compounding		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow	1.4	%	
Flow	1.3	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	20.0	MPa	
Break	15.0	MPa	
Tensile Strain			ISO 527-2
Yield	5.0	%	
Break	40	%	
Flexural Modulus	1200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180

-20°C	7.0	kJ/m <sup>2</sup>	
23°C	15	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	81.0	°C	ISO 75-2/B
Vicat Softening Temperature	141	°C	ISO 306/A

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