

Hifax TRS 784D

Thermoplastic Polyolefin Elastomer
LyondellBasell Industries

Message:

Hifax TRS 784D high melt flow, 950 MPa flexural modulus, natural, reactor grade thermoplastic elastomeric olefin (TEO) resin has an excellent balance of impact, stiffness, paintability, and processability. It is based on material produced from Basell's proprietary Catalloy process.

General Information			
Features	Good Colorability		
	Good Moldability		
	Good Processability		
	Good Stiffness		
	High Flow		
	High Impact Resistance		
	High Shrinkage		
	Paintable		
Uses	Construction Applications		
	Industrial Applications		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	17	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	18.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	8.0	%	ISO 527-2
Flexural Modulus (23°C)	950	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	46	kJ/m ²	ISO 180
Multi-Axial Instrumented Impact Energy ¹ (-30°C, Total Penetration Energy)	25.0	J	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	80.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	53.0	°C	ISO 75-2/A
NOTE			
1.	2.2 m/sec		

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