

Hifax TRC 779X

Thermoplastic Polyolefin Elastomer
LyondellBasell Industries

Message:

Hifax TRC 779X high melt flow, 1,700 MPa flexural modulus, paintable, mineral-filled thermoplastic elastomeric olefin (TEO) resin has an excellent balance of properties and processability. It was designed for use in multiple automotive exterior applications.

General Information			
Filler / Reinforcement	Mineral		
Features	Good Dimensional Stability		
	Good Flow		
	Good Impact Resistance		
	Good Moldability		
	Good Processability		
	High Stiffness		
	Low Shrinkage		
	Low Temperature Impact Resistance		
	Paintable		
Uses	Automotive Bumper		
	Automotive Exterior Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	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)	5.0	%	ISO 527-2
Flexural Modulus (23°C)	1700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-40°C	6.5	kJ/m ²	
23°C	46	kJ/m ²	
Multi-Axial Instrumented Impact Energy ¹ (-40°C, Energy to Peak Force, Ductile Failure)	23.0	J	
NOTE			

1. 2.2 m/sec

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