

Hifax TRC 790X HF

Thermoplastic Polyolefin Elastomer

LyondellBasell Industries

Message:

Hifax TRC 790X HF high melt flow, high flexural modulus, mineral-filled, paintable thermoplastic elastomeric olefin (TEO) resin has a very good balance of properties and processability. It was designed for automotive bumper fascia applications

General Information			
Filler / Reinforcement	Mineral filler		
Features	Good dimensional stability		
	Rigid, good		
	Impact resistance, good		
	Workability, good		
	Sprayable		
	High liquidity		
Uses	Car anti-collision bar		
	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	24	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	17.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	100	%	ISO 527-2
Flexural Modulus - Chord (23°C)	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-30°C	4.0	kJ/m²	ISO 180
23°C	42	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	98.0	°C	ISO 75-2/B

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