

Hifax TRC770PHS

Thermoplastic Polyolefin Elastomer
LyondellBasell Industries

Message:

Hifax TRC770PHS high melt flow, 1,550 MPa flexural modulus, UV-stabilized, mineral-filled, precolored thermoplastic elastomeric olefin (TEO) resin has an excellent balance of properties and processability. It was designed primarily for use in molded-in color automotive bumper fascias.

General Information			
Filler / Reinforcement	Mineral		
Additive	UV Stabilizer		
Features	Good Moldability		
	Good Processability		
	Good Toughness		
	Good Weather Resistance		
	High Stiffness		
Uses	Automotive Applications		
	Automotive Bumper		
Appearance	Unspecified Color		
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)	19.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	> 300	%	ISO 527-2
Flexural Modulus (23°C)	1550	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-20°C	6.0	kJ/m ²	
23°C	40	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	97.0	°C	ISO 75-2/B

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