

Hifax TYC007P

Thermoplastic Polyolefin Elastomer
LyondellBasell Industries

Message:

Hifax TYC007P very high melt flow, very high flexural modulus, UV-stabilized, mineral-filled thermoplastic elastomeric olefin (TEO) resin has an excellent balance of properties and processability. It was designed primarily for automotive bumper fascias.

General Information			
Filler / Reinforcement	Mineral		
Additive	UV Stabilizer		
Features	Good Processability		
	High Flow		
	High Stiffness		
Uses	Automotive Applications		
	Automotive Bumper		

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	31	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	63		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Chord (23°C)	2000	MPa	ISO 527-2/50
Tensile Stress (Yield, 23°C)	20.0	MPa	ISO 527-2/50
Flexural Modulus - Chord ¹ (23°C)	2100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)			ASTM D256
-30°C	5.00	kJ/m ²	
23°C	42.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	115	°C	ISO 75-2/B
1.8 MPa, Unannealed	59.0	°C	ISO 75-2/A

NOTE			
1.	2.0 mm/min		

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