

Hifax TYC 762P

Thermoplastic Polyolefin Elastomer

LyondellBasell Industries

Message:

Hifax TYC 762P very high melt flow, 1,600 MPa flexural modulus, precolored, UV-stabilized, mineral-filled, paintable thermoplastic elastomeric olefin has an excellent balance of properties, processability, and paintability. It was designed primarily for automotive bumper fascias.

General Information			
Filler / Reinforcement	Mineral filler		
Additive	UV stabilizer		
Features	Good dimensional stability		
	Rigid, good		
	Impact resistance, good		
	Workability, good		
	Sprayable		
	Good formability		
	High liquidity		
Uses	Car anti-collision bar		
	Application in Automobile Field		
	Automotive exterior parts		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	28	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	17.0	MPa	ISO 527-2
Tensile Strain (Yield)	13	%	ISO 527-2
Flexural Modulus	1600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-40°C	4.0	kJ/m ²	ISO 180
23°C	30	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	94.0	°C	ISO 75-2/B
1.8 MPa, not annealed	56.0	°C	ISO 75-2/A
CLTE - Flow (-30 to 100°C)	4.0E-5	cm/cm/°C	ASTM E228, ISO 11359-2

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