

# Hifax TYC735X

Thermoplastic Polyolefin Elastomer

LyondellBasell Industries

## Message:

Hifax TYC735X high melt flow, 1,150 MPa flexural modulus, paintable, mineral-filled thermoplastic elastomeric olefin (TEO) has an excellent combination of properties and processability. It was designed for use in multiple automotive exterior applications.

A UV-stabilized, paintable version, TYC735P, is also available for molded-in color and selectively decorated (partially painted) applications.

General Information			
Filler / Reinforcement	Mineral		
Features	Durable		
	Good Adhesion		
	Good Dimensional Stability		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	High Flow		
	Paintable		
Uses	Automotive Applications		
	Automotive Bumper		
	Automotive Exterior Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	17.5	MPa	ISO 527-2
Tensile Strain (Yield)	14	%	ISO 527-2
Flexural Modulus	1150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-30°C	4.8	kJ/m <sup>2</sup>	
23°C	46	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	86.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	53.0	°C	ISO 75-2/A
CLTE - Flow (-30 to 100°C)	4.5E-5	cm/cm/°C	ASTM D696, ISO 11359-2

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