



Hifax TYC735X

Compounded Polyolefin

Product Description

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.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	North America
Processing Methods	Injection Molding
Features	Good Adhesion, Good Dimensional Stability, Durable, High Flow, Good Impact Resistance, Paintable, Good Stiffness
Typical Customer Applications	Bumpers, Exterior Applications

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.98	g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	25	g/10 min
<i>Note: Alternative test method is ASTM D 1238-01.</i>			
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	17.5	MPa
Tensile Strain at Yield	ISO 527-1, -2	14	%
Flexural modulus	ISO 178	1150	MPa
Impact			
Notched izod impact strength	ISO 180		
(- 30 °C)		4.8	kJ/m ²
(23 °C)		46	kJ/m ²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	86	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	53	°C
CLTE, Flow	ISO 11359-1, -2	4.5 x 10 ⁻⁵	cm/cm/°C

Note: Determined over a temperature range of -30°C to 100°C. Alternative test method is ASTM E 228-95.

Additional Information

Mold shrinkage	ISO 294-4
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Note: Please contact Basell for shrinkage recommendations.