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
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/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	25	g/10 min
Note: Alternative test method is ASTM D 1238-01.			
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/m²
(23 °C)		46	kJ/m²
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		
Note: Please contact Basell for shrinkage recommendations.			