Hifax TYC 773X

Compounded Polyolefin

Product Description

Hifax TYC 773X very high melt flow, 1,250 MPa flexural modulus, mineral-filled, paintable, thermoplastic elastomeric olefin (TEO) resin has an excellent balance of properties and processability. It was designed primarily for use in thin-walled bumper fascia applications.

Product Characteristics

Test Method used	ISO
Processing Methods	Injection Molding
Features	Good Dimensional Stability, High Flow , Good Impact Resistance , Good Moldability , Paintable, High Stiffness, Good Toughness
Typical Customer Applications	Bumpers

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	22	g/10 min
Density (Method A)	ISO 1183	0.96	g/cm³
Mechanical			
Tensile Stress at Yield (23 °C)	ISO 527-1, -2	17	MPa
Tensile Strain at Break (23 °C)	ISO 527-1, -2	500	%
Tensile Strain at Yield (23 °C)	ISO 527-1, -2	6	%
Flexural modulus (23 °C)	ISO 178	1250	MPa
Impact			
Notched izod impact strength	ISO 180		
(-40 °C)		7.0	kJ/m²
(23 °C)		50	kJ/m²
Hardness			
Shore hardness D	ISO 868/ASTM D 2240	60	
Thermal			
CLTE, Flow (-22 to 212°F (-30 to 100°C))	ASTM D 696	4.5e-05	cm/cm/°C
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	85	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	50	°C
Additional Information			
Mold shrinkage	ISO 294-4		