



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

Status	Commercial: Active
Test Method used	ISO
Availability	North America
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/cm ³
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 (-40 °C) (23 °C)	ISO 180		
		7.0	kJ/m ²
		50	kJ/m ²
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		
Note: Please contact Basell for shrinkage recommendations.			

Notes

Typical properties; not to be construed as specifications.

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- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
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Users should review the applicable Material Safety Data Sheet before handling the product.

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