



Hifax TYC 762P

Compounded Polyolefin

Product Description

This information has been secured during the course of product development. Both the product and its properties are subject to change before final commercialization.

Hifax TYC 762P very high melt flow, 1,600 MPa flexural modulus, precolored, UV-stabilized, mineral-filled, paintable thermoplastic elastomeric olefin has an excellent balance of properties, processability, and paintability. It was designed primarily for automotive bumper fascias.

Product Characteristics

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

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	1.03	g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	28	g/10 min
<i>Note:</i> Alternative test method is ASTM D 1238-01.			
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	17	MPa
Tensile Strain at Yield	ISO 527-1, -2	13	%
Flexural modulus	ISO 178	1600	MPa
Impact			
Notched izod impact strength	ISO 180		
(23 °C)		30	kJ/m ²
(-40 °C)		4.0	kJ/m ²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	94	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	56	°C
CLTE, Flow	ISO 11359-1, -2	4.0 x 10 ⁻⁵	cm/cm/°C
<i>Note:</i> 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		