

## 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

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Processing Methods</b>	Injection Molding
<b>Features</b>	Good Dimensional Stability, Good Impact Resistance , Good Moldability , Paintable, High Stiffness
<b>Typical Customer Applications</b>	Automotive Parts, Bumpers, Exterior Applications

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	1.03	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	28	g/10 min
<i>Note: Alternative test method is ASTM D 1238-01.</i>			
<b>Mechanical</b>			
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
<b>Impact</b>			
Notched izod impact strength	ISO 180		
(23 °C)		30	kJ/m <sup>2</sup>
(-40 °C)		4.0	kJ/m <sup>2</sup>
<b>Thermal</b>			
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 <sup>-5</sup>	cm/cm/°C
<i>Note: Determined over a temperature range of -30°C to 100°C. Alternative test method is ASTM E 228-95.</i>			
<b>Additional Information</b>			
Mold shrinkage	ISO 294-4		
<i>Note: Please contact Basell for shrinkage recommendations.</i>			

