

## Technical Data Sheet

### Hifax TYC 1152PHS YZ9A Black



Polypropylene Compounds

#### Product Description

Hifax TYC 1152PHS YZ9A Black is a very high melt flow, high flexural modulus, low density and high shrink mineral filled thermoplastic elastomeric olefin (TEO) resin that enables part weight reduction and associated savings while maintaining all of the performance of traditional, higher density products. It has an excellent balance of properties and processability, and is typically used for automotive bumper fascias and exterior trim applications.

<b>Application</b>	Automotive Parts; Exterior Automotive Applications
<b>Market</b>	Automotive
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Good Dimensional Stability; Good Processability; High Impact Resistance; High Shrinkage; High Stiffness; Low Density

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	32	g/10 min	ASTM D1238
Density, (23 °C)	1.02	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus, (23 °C)	1975	MPa	ISO 178
Tensile Stress at Yield, (23 °C)	20	MPa	ISO 527-1, -2
<b>Impact</b>			
Notched Izod Impact Strength			
(23 °C)	37	kJ/m <sup>2</sup>	ISO 180
(-40 °C)	3.2	kJ/m <sup>2</sup>	ISO 180
<b>Additional Information</b>			
Mold Shrinkage			ISO 294-4

Please contact LyondellBasell for shrinkage recommendations.