

## Technical Data Sheet

### Hifax TYC 1152P YZ9A BLACK



Polypropylene Compounds

#### Product Description

Hifax TYC 1152P YZ9A BLACK very high melt flow, 2,000 MPa flexural modulus, low density mineralfilled, thermoplastic elastomeric olefin (TEO) resin. 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; Bumpers; 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 Stiffness; Low Density; Low Shrinkage

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	30	g/10 min	ASTM D1238
Density, (23 °C)	1.01	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus, (23 °C)	2000	MPa	ISO 178
Tensile Stress at Yield, (23 °C)	20	MPa	ISO 527-1, -2
<b>Impact</b>			
Notched Izod Impact Strength			
(23 °C)	35	kJ/m <sup>2</sup>	ISO 180
(-40 °C)	3.5	kJ/m <sup>2</sup>	ISO 180
<b>Additional Information</b>			
Mold Shrinkage			ISO 294-4
Please contact LyondellBasell for shrinkage recommendations.			

#### Notes

These are typical property values not to be construed as specification limits.

