

## Technical Data Sheet

### Hifax CA 387 PC YZ9A BLACK



Polypropylene Compounds

#### Product Description

Hifax CA 387 PC YZ9A BLACK high melt flow, medium low flexural modulus thermoplastic elastomeric olefin (TEO) resin has an excellent balance of impact, stiffness, processability and paintability. It is based on material produced from LyondellBasell's proprietary Catalloy process and is typically used for automotive bumper fascias that require high durability.

<b>Application</b>	Automotive Parts; Bumpers; Exterior Automotive Applications
<b>Market</b>	Automotive
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Durable; Good Moldability; Good Stiffness; High Flow; High Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	18	g/10 min	ISO 1133-1
Density, (23 °C)	0.91	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus	1000	MPa	ISO 178
Tensile Stress at Yield	18	MPa	ISO 527-1, -2
Tensile Strain at Yield	7.5	%	ISO 527-1, -2
<b>Impact</b>			
Notched Izod Impact Strength			
(23 °C)	45	kJ/m <sup>2</sup>	ISO 180
(-40 °C)	7.0	kJ/m <sup>2</sup>	ISO 180
<b>Thermal</b>			
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	80	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	52	°C	ISO 75A-1, -2
Coefficient of Linear Thermal Expansion (CLTE), Flow, (-22 to 212 °F, -30 to 100 °C)	10 x 10 <sup>-5</sup>	cm/cm/°C	ISO 11359-1, -2
<b>Additional Information</b>			
Mold Shrinkage			ISO 294-4
Please contact LyondellBasell for shrinkage recommendations.			