

## Solvay TECHNYL® C 548B V15 Black PA6, 15% glass filled, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 20% Glass Fiber Filled

### Material Notes:

Description: Polyamide PA6, reinforced with 15% of glass fiber, heat stabilized, height viscosity, for extrusion-blowing. Available in: Asia Pacific and North America  
 Product Applications: TECHNYL C 548B V15 is suitable in the automotive industry for blow-molded parts, mainly in the oil and air circuits, such as: air intake ducts, turbo to intercooler pipe, intercooler exit duct. This product is available in black. Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-TECHNYL-C-548B-V15-Black-PA6-15-glass-filled-DRY.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYL-C-548B-V15-Black-PA6-15-glass-filled-DRY.php)

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in <sup>3</sup>	ISO 1183/A
Water Absorption	1.42 % @Temperature 23.0 °C, Time 86400 sec	1.42 % @Temperature 73.4 °F, Time 24.0 hour	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	ISO 527 Type 1A
Elongation at Break	3.0 %	3.0 %	ISO 527 Type 1A
Tensile Modulus	5.00 GPa	725 ksi	ISO 527 Type 1A
Izod Impact, Notched (ISO)	14.0 kJ/m <sup>2</sup>	6.66 ft-lb/in <sup>2</sup>	ISO 180/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	40.0 µm/m-°C @Temperature 23.0 - 85.0 °C	22.2 µin/in-°F @Temperature 73.4 - 185 °F	ISO 11359
Melting Point	222 °C	432 °F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	185 °C	365 °F	ISO 75/Af
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	1210

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	IEC 60093

Electrical Properties	Metric	English	Comments
Dissipation Factor	0.020	0.020	IEC 60250

Processing Properties	Metric	English	Comments
Feed Temperature	210 - 230 Â°C	410 - 446 Â°F	
Front Barrel Temperature	240 - 255 Â°C	464 - 491 Â°F	
Die Temperature	250 - 255 Â°C	482 - 491 Â°F	
Mold Temperature	60.0 - 80.0 Â°C	140 - 176 Â°F	
Drying Temperature	80.0 Â°C	176 Â°F	
Moisture Content	<= 0.10 %	<= 0.10 %	

Descriptive Properties	Value	Comments
Compression Zone	230-240Â°C	

## Contact Songhan Plastic Technology Co.,Ltd.

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