

## Solvay TECHNYL® B 218L V30 Black 44 N PA66, 30% glass fiber, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

### Material Notes:

Description: Copolyamide 66/6, reinforced with 30% of glass fiber, for injection molding, heat stabilized with improved UV ageing resistance. Available in: Asia Pacific, Europe and Latin America Product Applications: TECHNYL B 218L V30 noir 44N is used in all sectors of industry, offering an excellent combination of thermal and mechanical properties. This grade is commonly used for automotive applications which require a good surface appearance and a good UV resistance, such as: external mirror housings and door handles. This product is available in black color. Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-TECHNYL-B-218L-V30-Black-44-N-PA66-30-glass-fiber-DRY.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYL-B-218L-V30-Black-44-N-PA66-30-glass-fiber-DRY.php)

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in <sup>3</sup>	ISO 1183/A
Water Absorption	0.95 %	0.95 %	ISO 62
	@Temperature 23.0 °C, Time 86400 sec	@Temperature 73.4 °F, Time 24.0 hour	
Linear Mold Shrinkage	0.0071 cm/cm	0.0071 in/in	Isotropy
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	185 MPa	26800 psi	ISO 527 Type 1A
Elongation at Break	3.0 %	3.0 %	ISO 527 Type 1A
Tensile Modulus	9.80 GPa	1420 ksi	ISO 527 Type 1A
Flexural Strength	230 MPa	33400 psi	ISO 178
Flexural Modulus	8.30 GPa	1200 ksi	ISO 178
Izod Impact, Notched (ISO)	11.0 kJ/m <sup>2</sup>	5.23 ft-lb/in <sup>2</sup>	ISO 180/1eA
Charpy Impact Unnotched	8.00 J/cm <sup>2</sup>	38.1 ft-lb/in <sup>2</sup>	ISO 179/1eU
Charpy Impact, Notched	1.10 J/cm <sup>2</sup>	5.23 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	26.0 µm/m-°C	14.4 µin/in-°F	ISO 11359
	@Temperature 23.0 -	@Temperature 73.4 -	

Thermal Properties	85.0 Å°C Metric	185 Å°F English	Comments
Melting Point	242 Å°C	468 Å°F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	230 Å°C	446 Å°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	3.00e+13 ohm	3.00e+13 ohm	IEC 60093
Dielectric Constant	3.7	3.7	IEC 60250
Dielectric Strength	35.0 kV/mm	889 kV/in	IEC 60243
Dissipation Factor	0.010	0.010	IEC 60250
Comparative Tracking Index	450 V	450 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Feed Temperature	250 - 270 Å°C	482 - 518 Å°F	
Front Barrel Temperature	270 - 280 Å°C	518 - 536 Å°F	
Mold Temperature	80.0 - 100 Å°C	176 - 212 Å°F	
Drying Temperature	80.0 Å°C	176 Å°F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	260-270Å°C	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China