

## Solvay TECHNYLÂ® A 218 V30 BK 34 NG-K PA66, 33% glass fiber, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 40% Glass Fiber Filled

### Material Notes:

Description: TECHNYLÂ® A 218 V30 Black 34 NG-K is a polyamide 66, reinforced with 30% of glass fiber, heat stabilized, for injection molding. The product is available in black color. Benefits: This product has been specially designed to improve its resistance to automotive cooling liquids, increasing lifetime of parts in permanent contact with such a liquid. Available in: Asia Pacific Regulations compliance: Grades produced or imported in Europe comply with directive 453/2010/EC, which amends REACH directive 1907/2006/EC. This grade complies with RoHS directive 2002/95/EC. Unless specified, this grade is not suitable for food contact, medical devices or toy applications Applications: Cooling and heating radiator systems, header tanks, thermostat components, inlet & outlet pipes Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-TECHNYL-A-218-V30-BK-34-NG-K-PA66-33-glass-fiber-DRY.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYL-A-218-V30-BK-34-NG-K-PA66-33-glass-fiber-DRY.php)

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in <sup>3</sup>	ISO 1183/A
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	290 MPa	42100 psi	ASTM D790
Flexural Modulus	9.50 GPa	1380 ksi	ASTM D790
Izod Impact, Notched	1.15 J/cm	2.15 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	25.0 $\mu\text{m/m}\cdot\text{Â}^\circ\text{C}$	13.9 $\mu\text{in/in}\cdot\text{Â}^\circ\text{F}$	ISO 11359
	@Temperature 23.0 - 85.0 $\text{Â}^\circ\text{C}$	@Temperature 73.4 - 185 $\text{Â}^\circ\text{F}$	
CTE, linear, Transverse to Flow	2.50 $\mu\text{m/m}\cdot\text{Â}^\circ\text{C}$	1.39 $\mu\text{in/in}\cdot\text{Â}^\circ\text{F}$	ISO 11359
	@Temperature 23.0 - 85.0 $\text{Â}^\circ\text{C}$	@Temperature 73.4 - 185 $\text{Â}^\circ\text{F}$	
Melting Point	262 $\text{Â}^\circ\text{C}$	504 $\text{Â}^\circ\text{F}$	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	255 $\text{Â}^\circ\text{C}$	491 $\text{Â}^\circ\text{F}$	ISO 75/Af
Flammability, UL94	HB	HB	1210

Thermal Properties	@Thickness 1.60 mm Metric	@Thickness 0.0630 in English	Comments
Oxygen Index	23 %	23 %	ISO 4589
Glow Wire Test	650 Å°C @Thickness 1.60 mm	1200 Å°F @Thickness 0.0630 in	Ignition Temperature; ISO 60695-2-13

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	IEC 60093
Surface Resistance	6.00e+14 ohm	6.00e+14 ohm	IEC 60093
Dielectric Constant	3.7	3.7	IEC 60250
Dielectric Strength	34.0 kV/mm	864 kV/in	IEC 60243
Dissipation Factor	0.010	0.010	IEC 60250
Comparative Tracking Index	350 V	350 V	Solution B; IEC 60112
	450 V	450 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Feed Temperature	260 - 270 Å°C	500 - 518 Å°F	
Mold Temperature	70.0 - 100 Å°C	158 - 212 Å°F	
Drying Temperature	80.0 Å°C	176 Å°F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	270-280Å°C	
Mixing Zone	280-290Å°C	

## Contact Songhan Plastic Technology Co.,Ltd.

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