

## Solvay TECHNYLÂ® A 218 V30 BK 34 NG PA66, 30% glass fiber, Conditioned

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

### Material Notes:

Description: TECHNYLÂ® A 218 V30 Black 34 NG 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 liquids. Available in: Asia Pacific, Europe, Latin America and North America 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-PA66-30-glass-fiber-Conditioned.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYL-A-218-V30-BK-34-NG-PA66-30-glass-fiber-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/inÂ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	135 MPa	19600 psi	ISO 527 Type 1A
Tensile Stress	25.0 MPa	3630 psi	
	@Strain 1.00 %, Temperature 150 Â°C	@Strain 1.00 %, Temperature 302 Â°F	
	30.0 MPa	4350 psi	
	@Strain 1.00 %, Temperature 120 Â°C	@Strain 1.00 %, Temperature 248 Â°F	
	40.0 MPa	5800 psi	
	@Strain 1.00 %, Temperature 80.0 Â°C	@Strain 1.00 %, Temperature 176 Â°F	
	40.0 MPa	5800 psi	
@Strain 2.00 %, Temperature 150 Â°C	@Strain 2.00 %, Temperature 302 Â°F		
50.0 MPa	7250 psi		
@Strain 2.00 %, Temperature 120 Â°C	@Strain 2.00 %, Temperature 248 Â°F		
50.0 MPa	7250 psi		
@Strain 3.00 %, Temperature 150 Â°C	@Strain 3.00 %, Temperature 302 Â°F		
55.0 MPa	7980 psi		

Mechanical Properties	Metric	English	Comments
	@Strain 1.00 %, Temperature 23.0 Â°C	@Strain 1.00 %, Temperature 73.4 Â°F	
	<b>55.0 MPa</b>	<b>7980 psi</b>	
	@Strain 4.00 %, Temperature 150 Â°C	@Strain 4.00 %, Temperature 302 Â°F	
	<b>60.0 MPa</b>	<b>8700 psi</b>	
	@Strain 3.00 %, Temperature 120 Â°C	@Strain 3.00 %, Temperature 248 Â°F	
	<b>65.0 MPa</b>	<b>9430 psi</b>	
	@Strain 4.00 %, Temperature 120 Â°C	@Strain 4.00 %, Temperature 248 Â°F	
	<b>65.0 MPa</b>	<b>9430 psi</b>	
	@Strain 8.00 %, Temperature 150 Â°C	@Strain 8.00 %, Temperature 302 Â°F	
	<b>70.0 MPa</b>	<b>10200 psi</b>	
	@Strain 2.00 %, Temperature 80.0 Â°C	@Strain 2.00 %, Temperature 176 Â°F	
	<b>70.0 MPa</b>	<b>10200 psi</b>	
	@Strain 8.00 %, Temperature 120 Â°C	@Strain 8.00 %, Temperature 248 Â°F	
	<b>75.0 MPa</b>	<b>10900 psi</b>	
	@Strain 1.00 %, Temperature 0.000 Â°C	@Strain 1.00 %, Temperature 32.0 Â°F	
	<b>75.0 MPa</b>	<b>10900 psi</b>	
	@Strain 3.00 %, Temperature 80.0 Â°C	@Strain 3.00 %, Temperature 176 Â°F	
	<b>80.0 MPa</b>	<b>11600 psi</b>	
	@Strain 4.00 %, Temperature 80.0 Â°C	@Strain 4.00 %, Temperature 176 Â°F	
	<b>80.0 MPa</b>	<b>11600 psi</b>	
	@Strain 8.00 %, Temperature 80.0 Â°C	@Strain 8.00 %, Temperature 176 Â°F	
	<b>95.0 MPa</b>	<b>13800 psi</b>	
	@Strain 2.00 %, Temperature 23.0 Â°C	@Strain 2.00 %, Temperature 73.4 Â°F	
	<b>100 MPa</b>	<b>14500 psi</b>	
	@Strain 1.00 %, Temperature -40.0 Â°C	@Strain 1.00 %, Temperature -40.0 Â°F	

Mechanical Properties	Metric <sup>SI</sup>	English <sup>SI</sup>	Comments
	@Strain 3.00 %, Temperature 23.0 Â°C	@Strain 3.00 %, Temperature 73.4 Â°F	
	115 MPa	16700 psi	
	@Strain 4.00 %, Temperature 23.0 Â°C	@Strain 4.00 %, Temperature 73.4 Â°F	
	135 MPa	19600 psi	
	@Strain 2.00 %, Temperature 0.000 Â°C	@Strain 2.00 %, Temperature 32.0 Â°F	
	150 MPa	21800 psi	
	@Strain 3.00 %, Temperature 0.000 Â°C	@Strain 3.00 %, Temperature 32.0 Â°F	
	155 MPa	22500 psi	
	@Strain 4.00 %, Temperature 0.000 Â°C	@Strain 4.00 %, Temperature 32.0 Â°F	
	175 MPa	25400 psi	
	@Strain 2.00 %, Temperature -40.0 Â°C	@Strain 2.00 %, Temperature -40.0 Â°F	
Tensile Modulus	7.50 GPa	1090 ksi	ISO 527 Type 1A
Flexural Strength	185 MPa	26800 psi	ISO 178
Flexural Modulus	6.40 GPa	928 ksi	ISO 178
Izod Impact, Unnotched (ISO)	18.0 kJ/mÂ²	8.57 ft-lb/inÂ²	ISO 180/1eU
Charpy Impact Unnotched	8.80 J/cmÂ²	41.9 ft-lb/inÂ²	ISO 179/1eU
Charpy Impact, Notched	1.50 J/cmÂ²	7.14 ft-lb/inÂ²	ISO 179/1eA

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	IEC 60093
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	IEC 60093
Dielectric Constant	4.0	4.0	IEC 60250
Dielectric Strength	29.0 kV/mm	737 kV/in	IEC 60243
Dissipation Factor	0.11	0.11	IEC 60250
Comparative Tracking Index	600 V	600 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.20 %	<= 0.20 %	

## 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