

## Solvay TECHNYLÂ® A 216 V20 PA66, 20% glass fiber, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled

### Material Notes:

Description: Polyamide 66, reinforced with 20% of glass fiber, for injection molding. Available in: Europe Product Applications: TECHNYLÂ® A 216 V20 is used in all sectors of industry, offering an excellent combination between thermal and mechanical properties. This grade is used in: Automotive industry, Manufacture of components for electrical tools and Transport and building. This product is available in natural and black, and in a wide range of standard colors. 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-216-V20-PA66-20-glass-fiber-DRY.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYL-A-216-V20-PA66-20-glass-fiber-DRY.php)

Physical Properties	Metric	English	Comments
Density	1.29 g/cc	0.0466 lb/inÂ³	ISO 1183/A
Water Absorption	1.0 % @Temperature 23.0 Â°C, Time 86400 sec	1.0 % @Temperature 73.4 Â°F, Time 24.0 hour	ISO 62
Linear Mold Shrinkage	0.0074 cm/cm	0.0074 in/in	Isotropy
Linear Mold Shrinkage, Flow	0.0070 cm/cm	0.0070 in/in	
Linear Mold Shrinkage, Transverse	0.0095 cm/cm	0.0095 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	145 MPa	21000 psi	ISO 527 Type 1A
Elongation at Break	4.0 %	4.0 %	ISO 527 Type 1A
Tensile Modulus	7.40 GPa	1070 ksi	ISO 527 Type 1A
Flexural Modulus	6.40 GPa	928 ksi	ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/mÂ²	3.33 ft-lb/inÂ²	ISO 180/1A
Charpy Impact Unnotched	4.80 J/cmÂ²	22.8 ft-lb/inÂ²	ISO 179/1eU
Charpy Impact, Notched	0.800 J/cmÂ²	3.81 ft-lb/inÂ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	263 Â°C	505 Â°F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	250 Â°C	482 Â°F	ISO 75/ Af
	HB	HB	

Thermal Properties	Metric	English	Comments
Oxygen Index	23 %	23 %	ISO 4589
Glow Wire Test	650 Â°C @Thickness 1.60 mm	1200 Â°F @Thickness 0.0630 in	ISO 60695-2-12
	650 Â°C @Thickness 1.60 mm	1200 Â°F @Thickness 0.0630 in	Ignition Temperature; ISO 60695-2-13

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093
Surface Resistance	6.00e+13 ohm	6.00e+13 ohm	IEC 60093
Dielectric Constant	3.7	3.7	IEC 60250
Dielectric Strength	32.0 kV/mm	813 kV/in	IEC 60243
Dissipation Factor	0.010	0.010	IEC 60250
Comparative Tracking Index	525 V	525 V	Solution B; IEC 60112
	600 V	600 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Feed Temperature	260 - 270 Â°C	500 - 518 Â°F	
Front Barrel Temperature	280 - 290 Â°C	536 - 554 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	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	270-280Â°C	

## Contact Songhan Plastic Technology Co.,Ltd.

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