

## Solvay TECHNYLÂ® A 216 V15 Black 21N PA66, 15% glass fiber, DRY

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

### Material Notes:

Description: Polyamide PA66, reinforced with 15% of glass fiber, for injection molding. Available in: Asia Pacific  
 Product Applications: TECHNYLÂ® A 216 V15 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, grey and black and in colors on request. 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-V15-Black-21N-PA66-15-glass-fiber-DRY.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYL-A-216-V15-Black-21N-PA66-15-glass-fiber-DRY.php)

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/inÂ³	ISO 1183/A
Water Absorption	1.1 % @Temperature 23.0 Â°C, Time 86400 sec	1.1 % @Temperature 73.4 Â°F, Time 24.0 hour	ISO 62
Linear Mold Shrinkage	0.0073 cm/cm	0.0073 in/in	Isotropy
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	
Linear Mold Shrinkage, Transverse	0.011 cm/cm	0.011 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	125 MPa	18100 psi	ISO 527 Type 1A
Tensile Strength, Yield	125 MPa	18100 psi	ISO 527 type 1 A
Elongation at Break	4.0 %	4.0 %	ISO 527 Type 1A
Tensile Modulus	6.20 GPa	899 ksi	ISO 527 Type 1A
Flexural Modulus	5.30 GPa	769 ksi	ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/mÂ²	2.86 ft-lb/inÂ²	ISO 180/1A
Charpy Impact Unnotched	4.10 J/cmÂ²	19.5 ft-lb/inÂ²	ISO 179/1eU
Charpy Impact, Notched	0.700 J/cmÂ²	3.33 ft-lb/inÂ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	263 Â°C	505 Â°F	ISO 11357
Oxygen Index	24 %	24 %	ISO 4589

Thermal Properties	650 Å°C Metric	1200 Å°F English	Comments
	@Thickness 1.60 mm	@Thickness 0.0630 in	ISO 60293-2-12

Electrical Properties	Metric	English	Comments
Dielectric Strength	31.0 kV/mm	787 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 Å°C	500 - 518 Å°F	
Front Barrel Temperature	280 - 290 Å°C	536 - 554 Å°F	
Mold Temperature	60.0 - 80.0 Å°C	140 - 176 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	

## Contact Songhan Plastic Technology Co.,Ltd.

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