

Solvay TECHNYL® A 216 V30 Natural FA PA66, 30% glass fiber, DRY

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

Material Notes:

Description: Polyamide PA66, reinforced with 30% of glass fiber and modified for enhanced injection molding. Available in: Europe Product

Applications: This material offers an excellent combination between thermal and mechanical properties. This grade is used specially for food contact applications. 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-V30-Natural-FA-PA66-30-glass-fiber-DRY.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	ISO 1183/A
Water Absorption	0.80 % @Temperature 23.0 °C, Time 86400 sec	0.80 % @Temperature 73.4 °F, Time 24.0 hour	ISO 62
Linear Mold Shrinkage	0.0062 cm/cm	0.0062 in/in	Isotropy
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
Tensile Strength at Break	190 MPa	27600 psi	ISO 527 Type 1A
Elongation at Break	3.0 %	3.0 %	ISO 527 Type 1A
Tensile Modulus	10.0 GPa	1450 ksi	ISO 527 Type 1A
Izod Impact, Notched (ISO)	11.0 kJ/m ²	5.23 ft-lb/in ²	ISO 180/1A
Charpy Impact Unnotched	8.00 J/cm ²	38.1 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	1.20 J/cm ²	5.71 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	263 °C	505 °F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	255 °C	491 °F	ISO 75/Af

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.75	3.75	IEC 60250

Dielectric Strength Electrical Properties	40.0 kV/mm Metric	1020 kV/in English	IEC 60243 Comments
Dissipation Factor	0.010	0.010	IEC 60250
Comparative Tracking Index	500 V	500 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	

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