

Solvay TECHNYLÂ® 2417IG PA66, 20% glass fiber, DRY

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

Material Notes:

Description: Polyamide 66, 20% glass fiber reinforced, Impact modified for injection molding. Available in: Asia Pacific
 Product Applications: TECHNYLÂ® 2417IG4 is used in all sectors of industries, offering good mechanical strength, impact strength for injection molding. This grade is widely used for: Distributor pipe. This product is available in natural color 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-2417IG-PA66-20-glass-fiber-DRY.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0070 - 0.010 cm/cm	0.0070 - 0.010 in/in	
Linear Mold Shrinkage, Transverse	0.0090 - 0.012 cm/cm	0.0090 - 0.012 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	140 MPa	20300 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	200 MPa	29000 psi	ASTM D790
Flexural Modulus	7.50 GPa	1090 ksi	ASTM D790
Izod Impact, Notched	1.80 J/cm	3.37 ft-lb/in	ASTM D265

Thermal Properties	Metric	English	Comments
Melting Point	262 Â°C	504 Â°F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	250 Â°C	482 Â°F	ASTM D648
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	ISO 1210

Processing Properties	Metric	English	Comments
Feed Temperature	260 - 265 Â°C	500 - 509 Â°F	
Front Barrel Temperature	275 - 285 Â°C	527 - 545 Â°F	
Mold Temperature	80.0 - 100 Â°C	176 - 212 Â°F	

Processing Properties	80.0 - 100 Å°C Metric	176 - 212 Å°F English	Comments
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	265-275Å°C	

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