

Solvay TECHNYLÂ® R AR 218 V30 Nylon 66, 30% glass fiber, DRY

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

Material Notes:

Description: TECHNYLÂ® AR 218 V30 is a polyamide 66, reinforced with 30% of glass fiber, heat stabilized, for injection molding. It contains recycled materials. This product is available in black color.
Benefits: The product offers a good combination between thermal and mechanical properties.
Available in: Asia Pacific, Europe 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: It is used in a wide variety of industries for applications, such as engine components in automotive.
Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-TECHNYL-R-AR-218-V30-Nylon-66-30-glass-fiber-DRY.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/inÂ³	ISO 1183/A
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	120 MPa	17400 psi	ISO 527 Type 1A
Elongation at Break	2.3 %	2.3 %	ISO 527 Type 1A
Tensile Modulus	8.40 GPa	1220 ksi	ISO 527 Type 1A
Flexural Modulus	7.00 GPa	1020 ksi	ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/mÂ²	3.81 ft-lb/inÂ²	ISO 180/1A
Charpy Impact Unnotched	4.20 J/cmÂ²	20.0 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	260 Â°C	500 Â°F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	255 Â°C	491 Â°F	ISO 75/Af
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	ISO 1210
Oxygen Index	23 %	23 %	ISO 4589

Thermal Properties	Metric °C	English °F	Comments
Glow Wire Test	@Thickness 1.60 mm	@Thickness 0.0630 in	ISO 60695-2-12

Processing Properties	Metric	English	Comments
Feed Temperature	260 - 270 °C	500 - 518 °F	
Mold Temperature	70.0 - 100 °C	158 - 212 °F	
Drying Temperature	80.0 °C	176 °F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	270-280°C	
Mixing Zone	280-290°C	

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