

Solvay TECHNYLÂ® AR 218 V25 Nylon 66, 25% glass fiber, DRY

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

Material Notes:

Description: Polyamide PA66 reinforced with 25% of glass fiber, heat stabilized, containing recycled material. Available in: Europe and North America
 Product Applications: TECHNYLÂ® AR 218 V25 BLACK even if it shows slightly lower and more variable mechanical performances than the virgin prime grade TECHNYLÂ® A 218 V25, can be used in all sectors of industry in less demanding applications and fits the main quality standards of Automotive market. This product is available in black
 Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-TECHNYL-AR-218-V25-Nylon-66-25-glass-fiber-DRY.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	125 MPa	18100 psi	ISO 527 Type 1A
Elongation at Break	2.5 %	2.5 %	ISO 527 Type 1A
Tensile Modulus	7.80 GPa	1130 ksi	ISO 527 Type 1A
Flexural Strength	200 MPa	29000 psi	ISO 178
Flexural Modulus	7.20 GPa	1040 ksi	ISO 178
Izod Impact, Unnotched (ISO)	7.00 kJ/m ²	3.33 ft-lb/in ²	ISO 180/1U
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	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)	250 Â°C	482 Â°F	ISO 75/Af
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	ISO 1210

Processing Properties	Metric	English	Comments
Feed Temperature	260 - 270 Â°C	500 - 518 Â°F	
Mold Temperature	80.0 - 100 Â°C	176 - 212 Â°F	

Processing Properties	Metric	English	Comments
Drying Temperature	80 U.A °C	170 A F	
Moisture Content	<= 0.20 %	<= 0.20 %	

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

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