

Solvay TECHNYLÂ® AR 218 V33 Black 34 N Nylon 66, 33% glass fiber, DRY

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Glass Fiber Filled

Material Notes:

Description: Polyamide 66, reinforced with 33% of glass fiber, containing recycled material, for injection molding, specially stabilized to improve its resistance to automotive cooling liquids. Available in: North America Product Applications: TECHNYLÂ® AR 218 V33 BLACK 34N is particularly recommended for the injection molding of parts in permanent contact with cooling liquids in cars, such as: - cooling and heating radiator systems, header tanks, thermostat components, inlet/outlet pipes. 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-V33-Black-34-N-Nylon-66-33-glass-fiber-DRY.php

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	170 MPa	24700 psi	ISO 527 Type 1A
Elongation at Break	2.8 %	2.8 %	ISO 527 Type 1A
Tensile Modulus	10.051 GPa	1457.8 ksi	ISO 527 Type 1A
Flexural Strength	258 MPa	37400 psi	ISO 178
Flexural Modulus	9.015 GPa	1308 ksi	ISO 178
Izod Impact, Notched (ISO)	8.20 kJ/mÂ²	3.90 ft-lb/inÂ²	ISO 180/1A
Charpy Impact Unnotched	4.86 J/cmÂ²	23.1 ft-lb/inÂ²	ISO 179/1eU
Charpy Impact, Notched	0.780 J/cmÂ²	3.71 ft-lb/inÂ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	260 Â°C	500 Â°F	ISO 11357

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	
Drying Temperature	80.0 Â°C	176 Â°F	
Moisture Content	<= 0.20 %	<= 0.20 %	

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

Descriptive Properties	Value	Comments
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