

Solvay TECHNYL[®] A 218 V40 Black 21 NHFE PA66, 40% glass fiber, Conditioned

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

Material Notes:

Description: Polyamide 66, offering high flowability and productivity gains, reinforced with 40% of glass fiber, heat stabilized, for injection molding. Available in: Europe
Product Applications: TECHNYL[®] A 218 V40 BLACK 21NHFE is characterized by a high flowability and offers an excellent combination between thermal and mechanical properties. This grade is ideal for use in the automotive industry for engine components, such as: inlet manifolds, air ducts - engine covers, and various housings and liquid containers. 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-A-218-V40-Black-21-NHFE-PA66-40-glass-fiber-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	155 MPa	22500 psi	ISO 527 Type 1A
Elongation at Break	3.5 %	3.5 %	ISO 527 Type 1A
Tensile Modulus	9.60 GPa	1390 ksi	ISO 527 Type 1A
Flexural Strength	230 MPa	33400 psi	ISO 178
Flexural Modulus	7.60 GPa	1100 ksi	ISO 178
Izod Impact, Notched (ISO)	18.0 kJ/m ²	8.57 ft-lb/in ²	ISO 180/1eA
Charpy Impact Unnotched	9.80 J/cm ²	46.6 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	1.90 J/cm ²	9.04 ft-lb/in ²	ISO 179/1eA

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.20 %	<= 0.20 %	

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