

Solvay TECHNYLÂ® eXten D218 V30 Nylon 6.10, 30% glass fiber, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 610 , Nylon 610, Glass Reinforced

Material Notes:

Description: TECHNYLÂ® eXten D 218 V30 is a 30% Glass Fiber reinforced and heat stabilized product suitable to the manufacturing of all injection molded parts. This material is available in black. Available in: Asia Pacific, Europe, Latin America and North America
 Applications: TECHNYLÂ® eXten D 218 V30 is suitable to the manufacturing of injection molded parts in all sectors of applications. It offers excellent chemical resistance, low water absorption, very good mechanical properties and mold ability. Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-TECHNYL-eXten-D218-V30-Nylon-610-30-glass-fiber-DRY.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	152 MPa	22000 psi	ISO 527 Type 1A
Elongation at Break	4.4 %	4.4 %	ISO 527 Type 1A
Tensile Modulus	8.50 GPa	1230 ksi	ISO 527 Type 1A
Flexural Strength	250 MPa	36300 psi	ISO 178
Flexural Modulus	8.00 GPa	1160 ksi	ISO 178
Charpy Impact Unnotched	8.50 J/cm ²	40.4 ft-lb/in ²	ISO 179/1eU
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
Charpy Impact, Notched	9.00 J/cm ²	42.8 ft-lb/in ²	ISO 179/1eU
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	ISO 179/1eA
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
Charpy Impact, Notched	1.40 J/cm ²	6.66 ft-lb/in ²	ISO 179/1eA
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Melting Point	215 Â°C	419 Â°F	ISO 11357

Thermal Properties <small>Deflection Temperature at 1.8 MPa (104 psi)</small>	195 Â°C Metric	383 Â°F English	ISO 75/AF Comments
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	ISO 1210
	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	ISO 1210
	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	ISO 1210

Processing Properties	Metric	English	Comments
Feed Temperature	225 - 230 Â°C	437 - 446 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	230-240Â°C	
Mixing Zone	240-250Â°C	

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