

## Solvay TECHNYLÂ® A 218 V25 Natural B PA66, 25% glass fiber, DRY

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

### Material Notes:

Description: Polyamide 66, reinforced with 25% of glass fiber, specially stabilized to improve its resistance to oils and greases, for injection molding. Available in: Europe  
 Product Applications: This product is recommended for molded parts exposed to high temperatures and in contact with oils and greases. Bearing housings are a typical example for which this formulation is suitable. TECHNYLÂ® A 218 V25 is approved by major bearing manufacturers. This product is available in natural. 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-V25-Natural-B-PA66-25-glass-fiber-DRY.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYL-A-218-V25-Natural-B-PA66-25-glass-fiber-DRY.php)

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/inÂ³	ISO 1183/A
Water Absorption	0.90 %	0.90 %	ISO 62
	@Temperature 23.0 Â°C, Time 86400 sec	@Temperature 73.4 Â°F, Time 24.0 hour	
Linear Mold Shrinkage	0.0047 cm/cm	0.0047 in/in	Isotropy
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	
Linear Mold Shrinkage, Transverse	0.0085 cm/cm	0.0085 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	179 MPa	26000 psi	ISO 527 Type 1A
Elongation at Break	3.0 %	3.0 %	ISO 527 Type 1A
Tensile Modulus	8.70 GPa	1260 ksi	ISO 527 Type 1A
Flexural Strength	280 MPa	40600 psi	ISO 178
Flexural Modulus	7.60 GPa	1100 ksi	ISO 178
Charpy Impact Unnotched	6.50 J/cmÂ²	30.9 ft-lb/inÂ²	ISO 179/1eU
Charpy Impact, Notched	0.900 J/cmÂ²	4.28 ft-lb/inÂ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	27.0 Âµm/m-Â°C	15.0 Âµin/in-Â°F	ISO 11359
	@Temperature 23.0 - 85.0 Â°C	@Temperature 73.4 - 185 Â°F	

Melting Point Thermal Properties	263 Â°C Metric	505 Â°F English	ISO 11357 Comments
Deflection Temperature at 1.8 MPa (264 psi)	255 Â°C	491 Â°F	ISO 75/Af

Processing Properties	Metric	English	Comments
Feed Temperature	260 - 270 Â°C	500 - 518 Â°F	
Front Barrel Temperature	280 - 290 Â°C	536 - 554 Â°F	
Mold Temperature	60.0 - 80.0 Â°C	140 - 176 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	

## Contact Songhan Plastic Technology Co.,Ltd.

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