

## Solvay TECHNYLÂ® A 218 V25 NAT BA 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: Asia Pacific

Product Applications: TECHNYLÂ® A 218 V25 NAT BA is recommended for molding parts exposed to high temperatures and in contact with oils and greases. Bearing housings are a typical example for which this formulation is suitable. This product 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-NAT-BA-PA66-25-glass-fiber-DRY.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYL-A-218-V25-NAT-BA-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 % @Temperature 23.0 Â°C, Time 86400 sec	0.90 % @Temperature 73.4 Â°F, Time 24.0 hour	ASTM D792
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	170 MPa	24700 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Strength	260 MPa	37700 psi	ASTM D790
Flexural Modulus	7.50 GPa	1090 ksi	ASTM D790
Izod Impact, Notched (ISO)	85.0 kJ/mÂ²	40.4 ft-lb/inÂ²	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	27.0 Âµm/m-Â°C @Temperature 23.0 - 85.0 Â°C	15.0 Âµin/in-Â°F @Temperature 73.4 - 185 Â°F	ISO 11359
Melting Point	262 Â°C	504 Â°F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	245 Â°C	473 Â°F	ASTM D648
Flammability, UL94	HB	HB	1210

Thermal Properties	Metric @Thickness 0.800 - 3.20 mm	English @Thickness 0.0315 - 0.126 in	Comments
Oxygen Index	23 %	23 %	ISO 4589

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	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	

## Contact Songhan Plastic Technology Co.,Ltd.

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