

## Solvay TECHNYLÂ® A 230 V13 PA66, 13% glass fiber, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

Description: Modified polyamide 66, reinforced with 13% of glass fiber, with improved impact resistance, for injection molding. Available in: Europe and North America  
 Product Applications: In addition to primary polyamide properties, TECHNYLÂ® A230 V13 offers a very good rigidity / impact resistance compromise. This grade is used in the automotive industry, such as: belt covers, fasteners. This product is available in natural, black, grey, and in colors on request. 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-230-V13-PA66-13-glass-fiber-DRY.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYL-A-230-V13-PA66-13-glass-fiber-DRY.php)

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/inÂ³	ISO 1183/A
Water Absorption	0.75 % @Temperature 23.0 Â°C, Time 86400 sec	0.75 % @Temperature 73.4 Â°F, Time 24.0 hour	ISO 62
Linear Mold Shrinkage	0.0085 cm/cm	0.0085 in/in	Isotropy
Linear Mold Shrinkage, Flow	0.0085 cm/cm	0.0085 in/in	
Linear Mold Shrinkage, Transverse	0.010 cm/cm	0.010 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	100 MPa	14500 psi	ISO 527 Type 1A
Tensile Strength, Yield	100 MPa	14500 psi	ISO 527 type 1 A
Elongation at Break	100 %	100 %	ISO 527 Type 1A
Tensile Modulus	5.50 GPa	798 ksi	ISO 527 Type 1A
Flexural Modulus	4.20 GPa	609 ksi	ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/mÂ²	3.81 ft-lb/inÂ²	ISO 180/1eA
Charpy Impact Unnotched	6.50 J/cmÂ²	30.9 ft-lb/inÂ²	ISO 179/1eU
Charpy Impact, Notched	0.600 J/cmÂ²	2.86 ft-lb/inÂ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	50.0 Âµm/m-Â°C @Temperature 23.0 - 85.0 Â°C	27.8 Âµin/in-Â°F @Temperature 73.4 - 185 Â°F	ISO 11359

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	225 Å°C	437 Å°F	ISO 75/af
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	1210

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	IEC 60093
Dielectric Constant	3.5	3.5	IEC 60250
Dielectric Strength	35.0 kV/mm	889 kV/in	IEC 60243
Dissipation Factor	0.010	0.010	IEC 60250
Comparative Tracking Index	525 V	525 V	Solution B; IEC 60112
	600 V	600 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Feed Temperature	260 - 270 Å°C	500 - 518 Å°F	
Front Barrel Temperature	280 - 290 Å°C	536 - 554 Å°F	
Mold Temperature	80.0 - 100 Å°C	176 - 212 Å°F	
Drying Temperature	80.0 Å°C	176 Å°F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	270-280Å°C	

## Contact Songhan Plastic Technology Co.,Ltd.

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