

## Solvay TECHNYLÂ® C 246 V 30 PA6, 30% glass fiber, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 30% Glass Fiber Filled

### Material Notes:

Description: Polyamide PA6, reinforced with 30 % of glass fiber, high impact strength, for injection molding. Available in: Asia Pacific and North America  
 Product Applications: Having good mechanical properties, this grade is used in all sectors of industry. It is suitable for molding of sporting and leisure goods such as roller-skates frames but also for molding of power tools or chainsaws. This product is available 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-C-246-V-30-PA6-30-glass-fiber-DRY.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYL-C-246-V-30-PA6-30-glass-fiber-DRY.php)

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/inÂ³	ISO 1183/A
Water Absorption	0.95 % @Temperature 23.0 Â°C, Time 86400 sec	0.95 % @Temperature 73.4 Â°F, Time 24.0 hour	ISO 62
Linear Mold Shrinkage	0.0056 cm/cm	0.0056 in/in	Isotropy
Linear Mold Shrinkage, Flow	0.0044 cm/cm	0.0044 in/in	
Linear Mold Shrinkage, Transverse	0.0079 cm/cm	0.0079 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	140 MPa	20300 psi	ISO 527 Type 1A
Elongation at Break	4.0 %	4.0 %	ISO 527 Type 1A
Tensile Modulus	8.20 GPa	1190 ksi	ISO 527 Type 1A
Flexural Modulus	8.00 GPa	1160 ksi	ISO 178
Izod Impact, Notched (ISO)	17.0 kJ/mÂ²	8.09 ft-lb/inÂ²	ISO 180/1eA
Charpy Impact Unnotched	8.50 J/cmÂ²	40.4 ft-lb/inÂ²	-30; ISO 179/1eU
	8.60 J/cmÂ²	40.9 ft-lb/inÂ²	23; ISO 179/1eU
Charpy Impact, Notched	1.10 J/cmÂ² @Temperature -30.0 Â°C	5.23 ft-lb/inÂ² @Temperature -22.0 Â°F	ISO 179/1eA
	1.80 J/cmÂ² @Temperature 23.0 Â°C	8.57 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	30.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	16.7 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359
	@Temperature 23.0 - 85.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 185 $\text{Å}^\circ\text{F}$	
Melting Point	222 $\text{Å}^\circ\text{C}$	432 $\text{Å}^\circ\text{F}$	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	195 $\text{Å}^\circ\text{C}$	383 $\text{Å}^\circ\text{F}$	ISO 75/Af
Flammability, UL94	HB	HB	1210
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	IEC 60093
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	IEC 60093
Dissipation Factor	0.020	0.020	IEC 60250

Processing Properties	Metric	English	Comments
Feed Temperature	225 - 230 $\text{Å}^\circ\text{C}$	437 - 446 $\text{Å}^\circ\text{F}$	
Front Barrel Temperature	230 - 240 $\text{Å}^\circ\text{C}$	446 - 464 $\text{Å}^\circ\text{F}$	
Mold Temperature	70.0 - 90.0 $\text{Å}^\circ\text{C}$	158 - 194 $\text{Å}^\circ\text{F}$	
Drying Temperature	80.0 $\text{Å}^\circ\text{C}$	176 $\text{Å}^\circ\text{F}$	
Moisture Content	$\leq 0.20\%$	$\leq 0.20\%$	

Descriptive Properties	Value	Comments
Compression Zone	225-230 $\text{Å}^\circ\text{C}$	

## Contact Songhan Plastic Technology Co.,Ltd.

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