

## Solvay TECHNYL® C 246SI V30 PA6, 30% glass filled, DRY

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

### Material Notes:

Description: Polyamide 6, reinforced with 30 % of glass fiber, with high impact resistance, for injection molding. Available in: Asia Pacific , Europe and North America  
Product Applications: Having good mechanical properties, this grade is used in all sectors of industry. This product is available in natural and black. 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-246SI-V30-PA6-30-glass-filled-DRY.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYL-C-246SI-V30-PA6-30-glass-filled-DRY.php)

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in <sup>3</sup>	ISO 1183/A
Water Absorption	0.88 %	0.88 %	ISO 62
	@Temperature 23.0 °C, Time 86400 sec	@Temperature 73.4 °F, Time 24.0 hour	
Linear Mold Shrinkage	0.0084 cm/cm	0.0084 in/in	Isotropy
Linear Mold Shrinkage, Flow	0.0039 cm/cm	0.0039 in/in	ISO 294-4
	0.0084 cm/cm	0.0084 in/in	
Linear Mold Shrinkage, Transverse	0.0033 cm/cm	0.0033 in/in	ISO 294-4
	0.0046 cm/cm	0.0046 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	140 MPa	20300 psi	ISO 527 Type 1A
Elongation at Break	4.5 %	4.5 %	ISO 527 Type 1A
Tensile Modulus	8.30 GPa	1200 ksi	ISO 527 Type 1A
Flexural Strength	220 MPa	31900 psi	ISO 178
Flexural Modulus	7.22 GPa	1050 ksi	ISO 178
Charpy Impact Unnotched	9.20 J/cm <sup>2</sup>	43.8 ft-lb/in <sup>2</sup>	ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	10.0 J/cm <sup>2</sup>	47.6 ft-lb/in <sup>2</sup>	ISO 179/1eU
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	1.50 J/cm <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	

Charpy Impact, Notched Mechanical Properties	Metric @ Temperature -30.0 Â°C	English @ Temperature -22.0 Â°F	ISO 179/1eA Comments
	2.30 J/cmÂ²	10.9 ft-lb/inÂ²	ISO 179/1eA
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Melting Point	222 Â°C	432 Â°F	ISO 11357

Processing Properties	Metric	English	Comments
Feed Temperature	250 - 260 Â°C	482 - 500 Â°F	
Front Barrel Temperature	260 - 290 Â°C	500 - 554 Â°F	
Mold Temperature	70.0 - 90.0 Â°C	158 - 194 Â°F	
Drying Temperature	80.0 Â°C	176 Â°F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	250-280Â°C	

## Contact Songhan Plastic Technology Co.,Ltd.

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