

Solvay TECHNYLÂ® A 548B V15 PA66, 15% glass fiber, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled

Material Notes:

Description: TECHNYLÂ® A 548B V15 is a copolyamide 6.6/6, reinforced with 15% of glass fiber, heat stabilized, impact modified, for blow molding. This product is available in black color. Benefits: The product offers an excellent long term heat resistance and is suitable to work in environments characterized by a very high temperature. Available in: Europe Regulations compliance: Grades produced or imported in Europe comply with directive 453/2010/EC, which amends REACH directive 1907/2006/EC. This grade complies with RoHS directive 2002/95/EC. Unless specified, this grade is not suitable for food contact, medical devices or toy applications. Applications: Thanks to its high melt strength, this product can be used to produce hollow parts, by suction blow molding technology, like tanks or ducts. Typical applications are turbo air ducts, especially inlet ducts up to 200Â°C. 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-548B-V15-PA66-15-glass-fiber-DRY.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/inÂ³	ISO 1183/A
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	Isotropy
Linear Mold Shrinkage, Flow	0.0098 cm/cm	0.0098 in/in	
Linear Mold Shrinkage, Transverse	0.0098 cm/cm	0.0098 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	100 MPa	14500 psi	ISO 527 Type 1A
Tensile Stress	30.0 MPa	4350 psi	
	@Strain 1.00 %	@Strain 1.00 %	
	85.0 MPa	12300 psi	
	@Strain 2.00 %	@Strain 2.00 %	
	90.0 MPa	13100 psi	
	@Strain 4.00 %	@Strain 4.00 %	
	92.0 MPa	13300 psi	
	@Strain 3.00 %	@Strain 3.00 %	
Elongation at Break	5.0 %	5.0 %	ISO 527 Type 1A
Tensile Modulus	5.20 GPa	754 ksi	ISO 527 Type 1A
Flexural Strength	130 MPa	18900 psi	ISO 178
Flexural Modulus	4.10 GPa	595 ksi	ISO 178

Mechanical Properties (ISO)	Metric J/m^2	English ft-lb/in^2	Comments
Izod Impact, Unnotched (ISO)	58.0 kJ/m^2	27.6 ft-lb/in^2	ISO 180/1eU
Charpy Impact Unnotched	6.80 J/cm^2	32.4 ft-lb/in^2	ISO 179/1eU
Charpy Impact, Notched	1.10 J/cm^2	5.23 ft-lb/in^2	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	242 $^{\circ}\text{C}$	468 $^{\circ}\text{F}$	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	215 $^{\circ}\text{C}$	419 $^{\circ}\text{F}$	ISO 75/Af

Processing Properties	Metric	English	Comments
Feed Temperature	240 - 260 $^{\circ}\text{C}$	464 - 500 $^{\circ}\text{F}$	
Adapter Temperature	245 - 265 $^{\circ}\text{C}$	473 - 509 $^{\circ}\text{F}$	
Die Temperature	250 - 270 $^{\circ}\text{C}$	482 - 518 $^{\circ}\text{F}$	
Head Temperature	250 - 270 $^{\circ}\text{C}$	482 - 518 $^{\circ}\text{F}$	
Screw Cooling Temperature	245 - 265 $^{\circ}\text{C}$	473 - 509 $^{\circ}\text{F}$	
Mold Temperature	40.0 - 60.0 $^{\circ}\text{C}$	104 - 140 $^{\circ}\text{F}$	
Drying Temperature	80.0 $^{\circ}\text{C}$ @Time 28800 sec	176 $^{\circ}\text{F}$ @Time 8.00 hour	dew point -35 $^{\circ}\text{C}$
Moisture Content	$\leq 0.080 \%$	$\leq 0.080 \%$	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China