Solvay TECHNYLÂ® A 217 PA66, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Description: TECHNYL Â® A 217 is an unreinforced polyamide 66, heat stabilized, standard viscosity, for injection molding. It is available in black color.Benefits: This product offers all the primary properties of unreinforced polyamide 66. In addition it has improved resistance to high temperature and it can be used for components which have to withstand mid term temperature stresses. This product can also be vacuum metalized with very good surface quality and adhesion of the aluminum surface. In case of fire its smoke rate is very low. It is also complying with NFF 16-101 rating I3 F2.Available in: Asia Pacific and EuropeRegulations 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 applicationsApplications: It perfectly suits for the production of the head lamp bezels in automotive industry and connectors in electrical industry.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-217-PA66-DRY.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/inÂ³	ISO 1183/A
Water Absorption	1.3 % @Temperature 23.0 Â°C, Time 86400 sec	1.3 % @Temperature 73.4 Â°F, Time 24.0 hour	ISO 62
	1.5 % @Temperature 100 Â°C, Time 1800 sec	1.5 % @Temperature 212 Â°F, Time 0.500 hour	ISO 62
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	Isotropy
Linear Mold Shrinkage, Flow	0.019 cm/cm	0.019 in/in	
Linear Mold Shrinkage, Transverse	0.019 cm/cm	0.019 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	ISO 527 Type 1A
Tensile Stress	59.0 MPa @Strain 2.00 %	8560 psi @Strain 2.00 %	
	81.0 MPa @Strain 4.00 %	11700 psi @Strain 4.00 %	
	83.0 MPa	12000 psi	

Mechanical Properties	Metric	English	Comments
	@Strain 6.00 %	@Strain 6.00 %	
Tensile Strength, Yield	85.0 MPa	12300 psi	ASTM D638
	88.0 MPa	12800 psi	ISO 527 type 1 A
Elongation at Break	20 %	20 %	ISO 527 Type 1A
	30 %	30 %	ASTM D638
Tensile Modulus	3.30 GPa	479 ksi	ISO 527 Type 1A
Flexural Strength	125 MPa	18100 psi	ASTM D790
	130 MPa	18900 psi	ISO 178
Flexural Modulus	3.10 GPa	450 ksi	ISO 178
	3.50 GPa	508 ksi	ASTM D790
Izod Impact, Notched (ISO)	4.00 kJ/mÂ²	1.90 ft-lb/inÂ²	ISO 180/1A
	80.0 kJ/mÂ²	38.1 ft-lb/inÂ²	ASTM D256
Izod Impact, Unnotched (ISO)	NB	NB	ISO 180/1U
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	0.430 J/cmÂ²	2.05 ft-lb/inÂ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	263 Â°C	505 Â°F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	220 Â°C	428 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	75.0 Â°C	167 Â°F	ISO 75/Af
Flammability, UL94	V-2 @Thickness 1.60 mm	V-2 @Thickness 0.0630 in	1210
	V-2 @Thickness 3.20 mm	V-2 @Thickness 0.126 in	1210
Oxygen Index	26 %	26 %	ISO 4589
Glow Wire Test	650 Â°C @Thickness 0.800 mm	1200 Â°F @Thickness 0.0315 in	ISO 60695-2-12
	650 Â°C @Thickness 1.60 mm	1200 Â°F @Thickness 0.0630 in	ISO 60695-2-12

Thermal Properties	Metric	English	Comments
	@Thickness 1.60 mm	@Thickness 0.0630 in	Ignition Temperature; ISO 60695-2-13

Processing Properties	Metric	English	Comments
Feed Temperature	265 - 275 Â°C	509 - 527 Â°F	
Mold Temperature	60.0 - 80.0 Â°C	140 - 176 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	
Mixing Zone	280-290Â°C	

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