

Solvay TECHNYLÂ® SSD 330 KNF/E PA66, 15% glass filled, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 20% Glass Fiber Filled

Material Notes:

Description: Polyamide 66, reinforced with 33% of glass fiber, for injection molding specially stabilized to improves its resistance to automotive cooling liquids. Available in: Asia Pacific
 Product Applications: TECHNYLÂ® SSD 330 KNF/E is particularly recommended for the injection molding of parts in permanent contact with cooling liquids in cars, such as: cooling and heating radiator systems, header tanks, thermostat components, and inlet/outlet pipes. This product is available in Black and in color 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-SSD-330-KNFE-PA66-15-glass-filled-DRY.php

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/inÂ³	ISO 1183/A
Water Absorption	0.80 %	0.80 %	ISO 62
	@Temperature 23.0 Â°C, Time 86400 sec	@Temperature 73.4 Â°F, Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	121	121	ASTM D786
Tensile Strength, Yield	195 MPa	28300 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	300 MPa	43500 psi	ASTM D790
Flexural Modulus	10.3 GPa	1490 ksi	ASTM D790
Izod Impact, Notched	1.20 J/cm	2.25 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	23.0 Âµm/m-Â°C	12.8 Âµin/in-Â°F	ISO 11359
	@Temperature 23.0 - 85.0 Â°C	@Temperature 73.4 - 185 Â°F	
Melting Point	262 Â°C	504 Â°F	ASTM D3418
Deflection Temperature at 1.8 MPa (264 psi)	255 Â°C	491 Â°F	ISO 75/Af

Thermal Properties	Metric	English	Comments
Oxygen Index	23 %	23 %	ISO 4589
Glow Wire Test	650 Â°C @Thickness 1.60 mm	1200 Â°F @Thickness 0.0630 in	ISO 60695-2-12

Processing Properties	Metric	English	Comments
Feed Temperature	260 - 270 Â°C	500 - 518 Â°F	
Front Barrel Temperature	280 - 290 Â°C	536 - 554 Â°F	
Mold Temperature	80.0 - 100 Â°C	176 - 212 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	

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