

TECHNYL® SSD 330 KNF/E NATURAL

Polyamide 66
Solvay Engineering Plastics

Message:
Polyamide 66, reinforced with 33% of glass fibre, for injection moulding specially stabilized to improve its resistance to automotive cooling liquids.

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Features	Glycol Resistant		
Uses	Automotive Applications		
	Automotive Under the Hood		
Appearance	Black		
	Colors Available		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>PA66-GF33<		
Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow	0.80	%	
Flow	0.50	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.80	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	195	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength (Break)	300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	255	°C	ASTM D648
Melting Temperature	262	°C	ISO 11357-3
CLTE - Flow (23 to 85°C)	2.3E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Glow Wire Flammability Index (1.60 mm)	650	°C	IEC 60695-2-12

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Suggested Max Moisture	0.20	%
Rear Temperature	260 to 270	°C
Middle Temperature	270 to 280	°C
Front Temperature	280 to 290	°C
Mold Temperature	80.0 to 100	°C

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