

SPI 962 BK

Polyamide 66
Service Polymers, Inc.

Message:

SPI 962 BK is a Polyamide 66 (Nylon 66) product filled with 40% carbon fiber. It is available in North America. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Carbon Fiber,40% Filler by Weight		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.10 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	26500 to 28600	MPa	ASTM D638
Tensile Strength (Yield)	193 to 218	MPa	ASTM D638
Tensile Elongation (Yield)	1.0 to 3.0	%	ASTM D638
Flexural Modulus	22400 to 24500	MPa	ASTM D790
Flexural Strength	362 to 379	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	75 to 130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	250 to 253	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	HB		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	4.0	hr	
Dew Point	-17.8	°C	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	277 to 299	°C	
Mold Temperature	65.6 to 107	°C	

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Recommended distributors for this material

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