

# SPI 1029 BK

Polyamide 6

Service Polymers, Inc.

## Message:

SPI 1029 BK is a Polyamide 6 (Nylon 6) product filled with 20% glass fiber. It is available in North America.

Characteristics include:

Flame Rated

Impact Modified

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Impact Modifier		
Features	Impact Modified		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5170 to 6210	MPa	ASTM D638
Tensile Strength (Yield)	86.2 to 103	MPa	ASTM D638
Tensile Elongation (Yield)	2.0 to 5.0	%	ASTM D638
Flexural Modulus	4650 to 5580	MPa	ASTM D790
Flexural Strength	127 to 152	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	80 to 120	J/m	ASTM D256
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time - Desiccant Dryer	2.0 to 6.0	hr	
Dew Point	-17.8	°C	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	243 to 279	°C	
Mold Temperature	54.4 to 93.3	°C	

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Recommended distributors for this material

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