


Product Information	SN6200BM₁	 Sam Polymer Bonyan
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Product Description

SN6200BM₁ is a general purpose injection molding black PA6.

Property	Test Method (ASTM)	Test Condition	Value	Unit
PHYSICAL				
Density	D792	23°C	1.13	g/cm ³
Mold Shrinkage	D955	In Flow, (2 mm, 60 MPa)	0.6	%
		Cross Flow, (2 mm, 60 MPa)	1.5	%
MECHANICAL				
Tensile Strength, Yield	D638	23°C	66	MPa
Tensile Elongation, Yield	D638	23°C	4.2	%
Flexural Strength	D790	23°C	86	MPa
Flexural Modulus	D790	23°C	2450	MPa
Izod Impact Strength	D256	notched, 23°C	7.3	KJ/m ²
THERMAL				
Melting Point	D3418	-	220	°C
Vicat Softening Temperature	D1525	50 N, heating rate 50 °C/h	198	°C
Heat Deflection Temperature (HDT)	D648	0.45 Mpa	155	°C
		1.80 Mpa	62	°C

Processing Guidelines

Predrying	Drying Time: 2-6 h	Drying Temperature: 80-100 °C
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Injection Molding	Cylinder Temperature (°C)	Mold Temperature (°C)	Injection Speed	Injection Pressure (MPa)
	240-260	80-100	Medium	35-125

*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests.