


Product Information	SP10M ₂ 20400BM1	 Sam Polymer Bonyan
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Product Description

SP10M₂20400BM1 is a black Polypropylene reinforced by 20% Talc.

Property	Test Method (ASTM)	Test Condition	Value	Unit
PHYSICAL				
Density	D792	23°C	1.05	g/cm ³
Melt Flow Rate	D1238	230°C, 2.16 kg	6.6	g/10min
Mold Shrinkage	D955	In Flow, (2 mm, 60 MPa)	1.1	%
		Cross Flow, (2 mm, 60 MPa)	1.5	%
MECHANICAL				
Tensile Strength, Yield	D638	23°C, Speed 5 mm/min	23	MPa
Tensile Elongation, Yield	D638	23°C, Speed 5 mm/min	7.6	%
Flexural Strength	D790	23°C	47	MPa
Flexural Modulus	D790	23°C	2380	MPa
Izod Impact Strength	D256	notched, 23°C	5.9	KJ/m ²
THERMAL				
Vicat Softening Temperature	D1525	50 N, heating rate 50 °C/h	148	°C
Heat Deflection Temperature (HDT)	D648	0.45 Mpa	123	°C
		1.80 Mpa	66	°C

Processing Guidelines

Predrying	Drying Time: 2-4 h	Drying Temperature: 80-100 °C
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Injection Molding	Cylinder Temperature (°C)	Mold Temperature (°C)	Injection Speed	Injection Pressure (MPa)
	200-220	30-50	Medium	40-130

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