


Product Information	SP10M₁45100	 Sam Polymer Bonyan
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Product Description

SP10M₁45100 is a Polypropylene Filled by 45% CaCO₃.

Property	Test Method (ASTM)	Test Condition	Value	Unit
PHYSICAL				
Density	D792	23°C	1.3	g/cm ³
Melt Flow Rate (MFR)	D1238	230 °C, 2.16 Kg	31	g/10min
MECHANICAL				
Tensile Strength, Yield	D638	23°C	20	MPa
Tensile Elongation, Yield	D638	23°C	5.0	%
Flexural Strength	D790	23°C	43	MPa
Flexural Modulus	D790	23°C	2500	MPa
Izod Impact Strength	D256	notched, 23°C	5.1	KJ/m ²
THERMAL				
Vicat Softening Temperature	D1525	50 N, heating rate 50 °C/h	92	°C
Heat Deflection Temperature (HDT)	D648	0.45 Mpa	115	°C
		1.80 Mpa	73	°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)
	190-220	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.

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