


Product Information	SP10M₁50100	 Sam Polymer Bonyan
---------------------	-------------------------------	--

Product Description

SP10M₁50100 is a Polypropylene Filled by 50% CaCO₃.

Property	Test Method (ASTM)	Test Condition	Value	Unit
PHYSICAL				
Density	D792	23°C	1.35	g/cm ³
Melt Flow Rate (MFR)	D1238	230 °C, 2.16 Kg	31	g/10min
MECHANICAL				
Tensile Strength, Yield	D638	23°C	19	MPa
Tensile Elongation, Yield	D638	23°C	4.6	%
Flexural Strength	D790	23°C	45	MPa
Flexural Modulus	D790	23°C	2700	MPa
Izod Impact Strength	D256	notched, 23°C	4.9	KJ/m ²
THERMAL				
Vicat Softening Temperature	D1525	50 N, heating rate 50 °C/h	95	°C
Heat Deflection Temperature (HDT)	D648	0.45 Mpa	120	°C
		1.80 Mpa	76	°C

Processing Guidelines

Predrying	Drying Time: 2-4 h	Drying Temperature: 80-100 °C
------------------	--------------------	-------------------------------

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.

Product Information

SP10M₁50100

