


Product Information	SP10M ₂ 40400BM1	
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Product Description

SP10M₂40400BM1 is a black Polypropylene reinforced by 40% Talc.

Property	Test Method (ASTM)	Test Condition	Value	Unit
PHYSICAL				
Density	D792	23°C	1.25	g/cm ³
Melt Flow Rate	D1238	230°C, 2.16 kg	7	g/10min
Mold Shrinkage	D955	In Flow, (2 mm, 60 MPa)	0.6	%
		Cross Flow, (2 mm, 60 MPa)	0.9	%
MECHANICAL				
Tensile Strength, Yield	D638	23°C, Speed 5 mm/min	19	MPa
Tensile Elongation, Yield	D638	23°C, Speed 5 mm/min	4.5	%
Flexural Strength	D790	23°C	67	MPa
Flexural Modulus	D790	23°C	3450	MPa
Izod Impact Strength	D256	notched, 23°C	5	KJ/m ²
THERMAL				
Vicat Softening Temperature	D1525	50 N, heating rate 50 °C/h	155	°C
Heat Deflection Temperature (HDT)	D648	0.45 Mpa	140	°C
		1.80 Mpa	79	°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.