

# SABIC® 19T1020

SABIC® PPcompound 19T1020 is a general purpose, talc filled, heat stabilized homopolymer polypropylene compound. This compound exhibits high flow and is suitable for injection molding applications. IMDS ID: 163255030  
Information provided by SABIC

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	Injection molded sample ISO527-1A; ISO 1183
Filler Content	20 %	20 %	SABIC method
Linear Mold Shrinkage	0.0095 cm/cm	0.0095 in/in	Injection molded plaque 65x65x3.2mm; SABIC method

Melt Flow	18 g/10 min @Load 2.16 kg, Temperature 230 °C	18 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133
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Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	32.0 MPa	4640 psi	ISO 527/1A
Tensile Strength, Yield	36.0 MPa	5220 psi	ISO 527/1A
Elongation at Break	10.6 %	10.6 %	ISO 527/1A
Tensile Modulus	3.20 GPa	464 ksi	ISO 527/1A
Flexural Modulus	3.17 GPa	460 ksi	ISO 178/1A

Izod Impact, Notched (ISO)	2.00 kJ/m <sup>2</sup>	0.952 ft-lb/in <sup>2</sup>	N.B.: No Break; ISO 180/1A
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	1.00 kJ/m <sup>2</sup> @Temperature -20.0 °C	0.476 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	N.B.: No Break; ISO 180/1A
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	NB @Temperature 0.000 °C	NB @Temperature 32.0 °F	ISO 180/1A
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Thermal Properties	Metric	English	Comments
CTE, linear	58.0 µm/m-°C @Temperature -30.0 - 100 °C	32.2 µin/in-°F @Temperature -22.0 - 212 °F	ISO 11359-2

Deflection Temperature at 0.46 MPa (66 psi)	128 °C	262 °F	ISO 75
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Deflection Temperature at 1.8 MPa (264 psi)	73.0 °C	163 °F	ISO 75
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