

SABIC® 55T1040

SABIC® PPcompound 55T1040 is a general purpose, talc filled, heat stabilized copolymer polypropylene compound. This compound exhibits very high impact and high rigidity, and is suitable for injection molding applications. IMDS ID: 278629571
Information provided by SABIC

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	Injection molded sample ISO527-1A; ISO 1183
Filler Content	40 %	40 %	SABIC method
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 230 °C	3.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	14.0 MPa	2030 psi	ISO 527/1A
Tensile Strength, Yield	20.0 MPa	2900 psi	ISO 527/1A
Elongation at Break	10.8 %	10.8 %	ISO 527/1A
Tensile Modulus	2.45 GPa	355 ksi	ISO 527/1A
Flexural Modulus	3.27 GPa	474 ksi	ISO 178/1A
Izod Impact, Notched (ISO)	7.00 kJ/m ²	3.33 ft-lb/in ²	N.B.: No Break; ISO 180/1A
	2.00 kJ/m ² @Temperature -20.0 °C	0.952 ft-lb/in ² @Temperature -4.00 °F	N.B.: No Break; ISO 180/1A
	NB @Temperature 0.000 °C	NB @Temperature 32.0 °F	ISO 180/1A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	124 °C	255 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	ISO 75