

SABIC® 31T1010

SABIC® PPcompound 31T1010 is a 10% talc-filled polypropylene copolymer for general purpose applications.
Information provided by SABIC

Physical Properties	Metric	English	Comments
Density	0.970 g/cc	0.0350 lb/in³	Injection molded sample ISO527-1A; ISO 1183
Filler Content	10 %	10 %	SABIC method
Linear Mold Shrinkage	0.013 cm/cm	0.013 in/in	Injection molded plaque 65x65x3.2 mm; SABIC method
Melt Flow	11 g/10 min @Load 2.16 kg, Temperature 230 °C	11 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133
Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	23.0 MPa	3340 psi	ISO 527/1A
Elongation at Break	54 %	54 %	ISO 527/1A
Tensile Modulus	1.65 GPa	239 ksi	ISO 527/1A
Flexural Modulus	1.75 GPa	254 ksi	ISO 178/1A
Izod Impact, Notched (ISO)	13.0 kJ/m²	6.19 ft-lb/in²	N.B.: No Break; ISO 180/1A
	6.00 kJ/m² @Temperature -20.0 °C	2.86 ft-lb/in² @Temperature -4.00 °F	N.B.: No Break; ISO 180/1A
	8.00 kJ/m² @Temperature 0.000 °C	3.81 ft-lb/in² @Temperature 32.0 °F	N.B.: No Break; ISO 180/1A
Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	110 °C	230 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	59.0 °C	138 °F	ISO 75