

SABIC® 19T1030

SABIC® PPcompound 19T1030 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: 278628419.
Information provided by SABIC

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in³	Injection molded sample ISO527-1A; ISO 1183
Filler Content	30 %	30 %	SABIC method
Linear Mold Shrinkage	0.0088 cm/cm	0.0088 in/in	Injection molded plaque 65x65x3.2mm; SABIC method

Melt Flow	18.2 g/10 min @Load 2.16 kg, Temperature 230 °C	18.2 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133
-----------	---	---	----------

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	33.0 MPa	4790 psi	ISO 527/1A
Tensile Strength, Yield	34.0 MPa	4930 psi	ISO 527/1A
Elongation at Break	4.0 %	4.0 %	ISO 527/1A
Tensile Modulus	4.75 GPa	689 ksi	ISO 527/1A
Flexural Modulus	4.10 GPa	595 ksi	ISO 178/1A

Izod Impact, Notched (ISO)	2.10 kJ/m²	0.999 ft-lb/in²	N.B.: No Break; ISO 180/1A
----------------------------	------------	-----------------	----------------------------

	1.85 kJ/m² @Temperature -20.0 °C	0.880 ft-lb/in² @Temperature -4.00 °F	N.B.: No Break; ISO 180/1A
--	-------------------------------------	--	----------------------------

	2.00 kJ/m² @Temperature 0.000 °C	0.952 ft-lb/in² @Temperature 32.0 °F	N.B.: No Break; ISO 180/1A
--	-------------------------------------	---	----------------------------

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)	131 °C	268 °F	ISO 75
---	--------	--------	--------

Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	ISO 75
---	---------	--------	--------