

## SABIC Innovative Plastics SABIC PPCOMPOUND 55T1030 PP

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

SABICÂ® PPcompound 55T1030 is a general purpose, talc filled, heat stabilized copolymer polypropylene compound. This compound exhibits very high impact, and is suitable for multiple processing methods, including injection molding. The IMDS ID is 16160823.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-SABIC-PPCOMPOUND-55T1030-PP.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-SABIC-PPCOMPOUND-55T1030-PP.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792
Density	1.13 g/cc	0.0408 lb/in <sup>3</sup>	ISO 1183
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 230 Â°C	4.0 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	68	68	ISO 868
Tensile Strength at Break	16.0 MPa	2320 psi	Type I, 50 mm/min; ASTM D638
	18.0 MPa	2610 psi	50 mm/min, 1A; ISO 527
Tensile Strength, Yield	21.0 MPa	3050 psi	Type I, 50 mm/min; ASTM D638
	24.0 MPa	3480 psi	50 mm/min; ISO 527
Elongation at Break	45.6 %	45.6 %	Type I, 50 mm/min; ASTM D638
	80 %	80 %	50 mm/min; ISO 527
Elongation at Yield	3.4 %	3.4 %	Type I, 50 mm/min; ASTM D638
	3.4 %	3.4 %	50 mm/min; ISO 527
Tensile Modulus	2.09 GPa	303 ksi	50 mm/min; ASTM D638
	2.52 GPa	365 ksi	1 mm/min; ISO 527
Flexural Modulus	2.30 GPa	334 ksi	1.3 mm/min, 50 mm span; ASTM D790
	2.81 GPa	408 ksi	2 mm/min, 64mm span; ISO 178
Izod Impact, Notched	1.40 J/cm	2.62 ft-lb/in	63.5*12.7*3.2mm, Cut; ASTM D256
Izod Impact, Unnotched	10.68 J/cm	20.01 ft-lb/in	63.5*12.7*3.2mm, Cut; ASTM D4812

Mechanical Properties	Metric	English	Comments
Impact, Notched (ISO)	3.00 kJ/m <sup>2</sup>	1.43 ft-lb/in <sup>2</sup>	80*10*4mm, Cut; ISO 180/1A
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	6.00 kJ/m <sup>2</sup>	2.86 ft-lb/in <sup>2</sup>	80*10*4mm, Cut; ISO 180/1A
	@Temperature 0.000 °C	@Temperature 32.0 °F	
Charpy Impact, Notched	1.30 J/cm <sup>2</sup>	6.19 ft-lb/in <sup>2</sup>	80*10*4mm, Cut; ISO 179/1eA
	0.100 J/cm <sup>2</sup>	0.476 ft-lb/in <sup>2</sup>	80*10*4mm, Cut; ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Dart Drop, Total Energy	18.0 J	13.3 ft-lb	Instrumented Impact Energy @ peak, 6.6 m/s; ASTM D3763
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	63.0 µm/m-°C	35.0 µin/in-°F	ISO 11359-2
	@Temperature -30.0 - 100 °C	@Temperature -22.0 - 212 °F	
CTE, linear, Transverse to Flow	94.0 µm/m-°C	52.2 µin/in-°F	ISO 11359-2
	@Temperature -30.0 - 100 °C	@Temperature -22.0 - 212 °F	
Deflection Temperature at 0.46 MPa (66 psi)	120 °C	248 °F	80*10*4mm, Cut; ISO 75-1&2
	114 °C	237 °F	
	@Thickness 3.20 mm	@Thickness 0.126 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	64.0 °C	147 °F	80*10*4mm, Cut; ISO 75-1&2
	60.0 °C	140 °F	
	@Thickness 3.20 mm	@Thickness 0.126 in	ASTM D648
Vicat Softening Point	150 °C	302 °F	10N, 50°C/hr; ISO 306

## Contact Songhan Plastic Technology Co.,Ltd.

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