

SABIC Innovative Plastics SABIC PPCOMPOUND 15T1020 PP

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

SABIC® PPcompound 15T1020. This grade is a general purpose, talc filled, heat stabilized polypropylene resin suitable for injection molded applications. The IMDS ID is 16486973.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-SABIC-PPCOMPOUND-15T1020-PP.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D792
Density	1.04 g/cc	0.0376 lb/in ³	ISO 1183
Melt Flow	7.0 g/10 min @Load 2.16 kg, Temperature 230 °C	7.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	75	75	ISO 868
Tensile Strength at Break	18.0 MPa	2610 psi	Type I, 50 mm/min; ASTM D638
	29.0 MPa	4210 psi	50 mm/min, 1A; ISO 527
Tensile Strength, Yield	35.0 MPa	5080 psi	Type I, 50 mm/min; ASTM D638
	37.0 MPa	5370 psi	50 mm/min; ISO 527
Elongation at Break	25.6 %	25.6 %	Type I, 50 mm/min; ASTM D638
	50 %	50 %	50 mm/min; ISO 527
Elongation at Yield	4.9 %	4.9 %	50 mm/min; ISO 527
	5.5 %	5.5 %	Type I, 50 mm/min; ASTM D638
Tensile Modulus	2.71 GPa	393 ksi	50 mm/min; ASTM D638
	3.10 GPa	450 ksi	1 mm/min; ISO 527
Flexural Modulus	2.70 GPa	392 ksi	1.3 mm/min, 50 mm span; ASTM D790
	3.14 GPa	455 ksi	2 mm/min, 64mm span; ISO 178
Izod Impact, Notched	0.210 J/cm	0.393 ft-lb/in	63.5*12.7*3.2mm, Cut; ASTM D256
Izod Impact, Unnotched	4.49 J/cm	8.41 ft-lb/in	63.5*12.7*3.2mm, Cut; ASTM D4812

Mechanical Properties	Metric	English	Comments
	1.00 kJ/m ²	0.476 ft-lb/in ²	80*10*4mm, Cut; ISO 180/1A
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	2.00 kJ/m ²	0.952 ft-lb/in ²	80*10*4mm, Cut; ISO 180/1A
	@Temperature 0.000 °C	@Temperature 32.0 °F	
Charpy Impact, Notched	0.300 J/cm ²	1.43 ft-lb/in ²	80*10*4mm, Cut; ISO 179/1eA
	0.100 J/cm ²	0.476 ft-lb/in ²	80*10*4mm, Cut; ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	70.0 µm/m-°C	38.9 µin/in-°F	ISO 11359-2
	@Temperature -30.0 - 100 °C	@Temperature -22.0 - 212 °F	
CTE, linear, Transverse to Flow	117 µm/m-°C	65.0 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
	125 °C	257 °F	ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Deflection Temperature at 1.8 MPa (264 psi)	73.0 °C	163 °F	80*10*4mm, Cut; ISO 75-1&2
	68.0 °C	154 °F	ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Vicat Softening Point	150 °C	302 °F	10N, 50°C/hr; ISO 306

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China