

## SABIC Innovative Plastics SABIC STAMAX 30YK270 PP

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

SABIC<sup>®</sup> STAMAX 30YK270 is a 30% long glass fiber reinforced polypropylene with improved impact and flow properties. The glass fibers are chemically coupled to the PP matrix, resulting in high stiffness and strength. The IMDS is 80929807.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-SABIC-STAMAX-30YK270-PP.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-SABIC-STAMAX-30YK270-PP.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	ASTM D792
Density	1.12 g/cc	0.0405 lb/in <sup>3</sup>	ISO 1183
Filler Content	30 %	30 %	glass; ISO 3451

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	98.0 MPa	14200 psi	50 mm/min, 1A; ISO 527
	43.0 MPa	6240 psi	50 mm/min, 1A; ISO 527
	@Temperature 120 Â°C	@Temperature 248 Â°F	
Elongation at Break	60.0 MPa	8700 psi	50 mm/min, 1A; ISO 527
	@Temperature 80.0 Â°C	@Temperature 176 Â°F	
	2.3 %	2.3 %	50 mm/min; ISO 527
Tensile Modulus	6.20 GPa	899 ksi	1 mm/min; ISO 527
	3.60 GPa	522 ksi	1 mm/min; ISO 527
	@Temperature 120 Â°C	@Temperature 248 Â°F	
Flexural Modulus	4.40 GPa	638 ksi	1 mm/min; ISO 527
	@Temperature 80.0 Â°C	@Temperature 176 Â°F	
	5.50 GPa	798 ksi	2 mm/min, 64mm span; ISO 178
Charpy Impact, Notched	3.60 GPa	522 ksi	2 mm/min, 64mm span; ISO 178
	@Temperature 80.0 Â°C	@Temperature 176 Â°F	
	2.10 J/cm <sup>2</sup>	9.99 ft-lb/in <sup>2</sup>	80*10*4mm, Cut; ISO 179/1eA
	2.40 J/cm <sup>2</sup>	11.4 ft-lb/in <sup>2</sup>	80*10*4mm, Cut; ISO 179/1eA

Mechanical Properties	@Temperature -30.0 Metric °C	@Temperature -22.0 English °F	Comments
Dart Drop, Total Energy	5.00 J  @Temperature 23.0 °C	3.69 ft-lb  @Temperature 73.4 °F	Instrumented Impact Energy @ peak, 6.6 m/s; ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	157 °C	315 °F	80*10*4mm, Cut; ISO 75-1&2

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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