

## Sax Polymers SAXALEN PPH335T20 Polypropylene Homopolymer, 20% Talc Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Talc Filler

### Material Notes:

SAXALEN PPH335T20 is a 20% mineral filled Polypropylene - Homopolymer intended for injection molding with very good flow properties and higher stiffness by low warpage and good surface appearance. Information provided by SAX Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Sax-Polymers-SAXALEN-PPH335T20-Polypropylene-Homopolymer-20-Talc-Filled.php](http://www.lookpolymers.com/polymer_Sax-Polymers-SAXALEN-PPH335T20-Polypropylene-Homopolymer-20-Talc-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	
Melt Flow	14 g/10 min @Load 2.16 kg, Temperature 230 °C	14 g/10 min @Load 4.76 lb, Temperature 446 °F	from MVR; ISO 1033

Mechanical Properties	Metric	English	Comments
Tensile Strength	37.0 MPa	5370 psi	5 mm/min; ISO 527-1
Elongation at Break	20 %	20 %	5 mm/min; ISO 527-1
Tensile Modulus	3.00 GPa	435 ksi	1 mm/min; ISO 527-1
Flexural Strength	42.0 MPa	6090 psi	2 mm/min; ISO 178
Flexural Modulus	2.40 GPa	348 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	2.00 kJ/m <sup>2</sup> @Temperature -30.0 °C	0.952 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 180/1A
	4.00 kJ/m <sup>2</sup> @Temperature 23.0 °C	1.90 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180/1A
Izod Impact, Unnotched (ISO)	17.0 kJ/m <sup>2</sup> @Temperature -30.0 °C	8.09 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 180/1U
	40.0 kJ/m <sup>2</sup> @Temperature 23.0 °C	19.0 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180/1U
Charpy Impact Unnotched	1.90 J/cm <sup>2</sup> @Temperature -30.0 °C	9.04 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 179/1eU

Mechanical Properties	Metric	English	Comments
	4.00 J/cm <sup>2</sup>	19.0 ft-lb/in <sup>2</sup>	ISO 179/1eU
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact, Notched	0.200 J/cm <sup>2</sup>	0.952 ft-lb/in <sup>2</sup>	ISO 179/1eA
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
	0.400 J/cm <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	ISO 179/1eA
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	72.0 Â°C	162 Â°F	80*10*4 s=60mm; ISO 75-1 a
Vicat Softening Point	103 Â°C	217 Â°F	B/120; ISO 306

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 250 Â°C	428 - 482 Â°F	
Mold Temperature	40.0 - 70.0 Â°C	104 - 158 Â°F	

## Contact Songhan Plastic Technology Co.,Ltd.

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