

Lanxess Pocan® A 3122 901510 PBT+ASA, 20% Glass Fiber

Category : Polymer , Thermoplastic , ASA Polymer , Polyester, TP , Polybutylene Terephthalate (PBT) , PBT + ASA Blend, Glass Fiber Reinforced

Material Notes:

PBT + ASA, 20% glass fibers, injection molding, low tendency to warp, improved surface finish Information provided by LANXESS.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Pocan-A-3122-901510-PBTASA-20-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Bulk Density	0.700 g/cc	0.0253 lb/in ³	ISO 60
Density	1.40 g/cc	0.0506 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	60x60x2; 270°C / MT 80°C; 600 bar; ISO 294-4
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	60x60x2; 270°C / MT 80°C; 600 bar; ISO 294-4
Melt Flow	30.8 g/10 min @Load 2.16 kg, Temperature 270 °C	30.8 g/10 min @Load 4.76 lb, Temperature 518 °F	ISO 1133-1

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	100 MPa	14500 psi	5 mm/min; ISO 527-1,-2
Elongation at Break	2.9 %	2.9 %	5 mm/min; ISO 527-1,-2
	3.2 %	3.2 %	50 mm/min; ISO 527-1,-2
Tensile Modulus	6.50 GPa	943 ksi	1 mm/min; ISO 527-1,-2
Flexural Strength	165 MPa	23900 psi	2 mm/min; ISO 178-A
Flexural Modulus	6.20 GPa	899 ksi	2 mm/min; ISO 178-A
Izod Impact, Notched (ISO)	<= 10.0 kJ/m ² @Temperature 23.0 °C	<= 4.76 ft-lb/in ² @Temperature 73.4 °F	ISO 180-1A
	<= 10.0 kJ/m ² @Temperature -30.0 °C	<= 4.76 ft-lb/in ² @Temperature -22.0 °F	ISO 180-1A
Izod Impact, Unnotched (ISO)	40.0 kJ/m ² @Temperature -30.0 °C	19.0 ft-lb/in ² @Temperature -22.0 °F	ISO 180-1U
	45.0 kJ/m ²	21.4 ft-lb/in ²	

Mechanical Properties	Metric	English	ISO 180-1U Comments
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	4.00 J/cmÂ² @Temperature -30.0 Â°C	19.0 ft-lb/inÂ² @Temperature -22.0 Â°F	ISO 179-1eU
	5.00 J/cmÂ² @Temperature 23.0 Â°C	23.8 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179-1eU
Charpy Impact, Notched	<= 1.00 J/cmÂ² @Temperature 23.0 Â°C	<= 4.76 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179-1eA
	<= 1.00 J/cmÂ² @Temperature -30.0 Â°C	<= 4.76 ft-lb/inÂ² @Temperature -22.0 Â°F	ISO 179-1eA

Thermal Properties	Metric	English	Comments
Melting Point	225 Â°C	437 Â°F	10 Â°C/min; ISO 11357-1,-3
Deflection Temperature at 0.46 MPa (66 psi)	215 Â°C	419 Â°F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa (264 psi)	185 Â°C	365 Â°F	ISO 75-1,-2
Vicat Softening Point	170 Â°C	338 Â°F	50 N; 50 Â°C/h; ISO 306
Shrinkage	0.100 % @Temperature 120 Â°C, Time 14400 sec	0.100 % @Temperature 248 Â°F, Time 4.00 hour	post-shrinkage, transverse, 60x60x2; ISO 294-4
	0.200 % @Temperature 120 Â°C, Time 14400 sec	0.200 % @Temperature 248 Â°F, Time 4.00 hour	post-shrinkage, 60x60x2; ISO 294-4

Processing Properties	Metric	English	Comments
Melt Temperature	270 Â°C	518 Â°F	Injection molding; ISO 294
Mold Temperature	90.0 Â°C	194 Â°F	Injection molding; ISO 294
Dry Time	4.00 - 8.00 hour @Temperature 120 Â°C	4.00 - 8.00 hour @Temperature 248 Â°F	
Moisture Content	0.00 - 0.020 %	0.00 - 0.020 %	Karl Fischer test

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