

Lanxess Pocan® TP 740-202 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-TP-740-202-901510-PBTASA-20-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.39 g/cc	1.39 g/cc	ISO 1183
Bulk Density	0.700 g/cc	0.0253 lb/in ³	ISO 60
Linear Mold Shrinkage, Flow	0.0010 cm/cm	0.0010 in/in	Post-shrinkage, 60x60x2; 120°C; 4 hour; ISO 294-4
	0.0030 cm/cm	0.0030 in/in	60x60x2; 270°C / MT 90°C; 600 bar; ISO 294-4
Linear Mold Shrinkage, Transverse	0.0020 cm/cm	0.0020 in/in	Post-shrinkage, 60x60x2; 120°C; 4 hour; ISO 294-4
	0.0070 cm/cm	0.0070 in/in	60x60x2; 270°C / MT 90°C; 600 bar; ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	110 MPa	16000 psi	ISO 527-1, -2; 5 mm/min
Elongation at Break	2.9 %	2.9 %	ISO 527-1, -2; 5 mm/min
Tensile Modulus	7.00 GPa	1020 ksi	ISO 527-1, -2; 1 mm/min
Flexural Strength	170 MPa	24700 psi	2 mm/min; ISO 178-A
	@Strain 3.20 %	@Strain 3.20 %	
Flexural Modulus	7.00 GPa	1020 ksi	2 mm/min; ISO 178-A
Izod Impact, Notched (ISO)	<= 10.0 kJ/m ²	<= 4.76 ft-lb/in ²	ISO 180-1A
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched (ISO)	50.0 kJ/m ²	23.8 ft-lb/in ²	ISO 180-1U
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	225 °C	437 °F	10°C/min; ISO 11357-1, -3
Deflection Temperature at 1.8 MPa	175 °C	347 °F	

(264 psi) Thermal Properties	Metric	English	ISO 75-1 - 2 Comments
Processing Properties	Metric	English	Comments
Melt Temperature	260 - 280 Â°C	500 - 536 Â°F	
	270 Â°C	518 Â°F	for test specimens; ISO 294
Mold Temperature	80.0 - 100 Â°C	176 - 212 Â°F	
	90.0 Â°C	194 Â°F	for test specimens; ISO 294
Drying Temperature	120 Â°C	248 Â°F	
Dry Time	4 - 8 hour	4 - 8 hour	
Moisture Content	0.00 - 0.020 %	0.00 - 0.020 %	residual; Karl Fischer Test

Descriptive Properties	Value	Comments
ISO Shortname	ISO 7792-1-PBT+ASA, GHMR, 07-070, GF20	

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