

## Lanxess Pocan® KU 2-7209 Z 000000 PBT, 15% Glass Fiber

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 20% Glass Fiber Filled

### Material Notes:

PBT, 15% glass fibers, injection molding, flame retardant, impact modified

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lanxess-Pocan-KU-2-7209-Z-000000-PBT-15-Glass-Fiber.php](http://www.lookpolymers.com/polymer_Lanxess-Pocan-KU-2-7209-Z-000000-PBT-15-Glass-Fiber.php)

Physical Properties	Metric	English	Comments
Density	1.55 g/cc	0.0560 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.40 %	0.40 %	Test Sim. to ISO 62
Moisture Absorption at Equilibrium	0.20 %	0.20 %	23°C/50% R.H.; Test Sim. to ISO 62
Linear Mold Shrinkage, Flow	0.0090 cm/cm	0.0090 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0011 cm/cm	0.0011 in/in	ISO 294-4, 2577
Melt Flow	31 g/10 min @Load 5.00 kg, Temperature 260 °C	31 g/10 min @Load 11.0 lb, Temperature 500 °F	Estimated using room temperature density; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	92.0 MPa	13300 psi	ISO 527-1/-2
Tensile Strength, Yield	95.0 MPa	13800 psi	ISO 527-1/-2
Elongation at Break	3.0 %	3.0 %	ISO 527-1/-2
Elongation at Yield	3.0 %	3.0 %	ISO 527-1/-2
Tensile Modulus	6.20 GPa	899 ksi	ISO 527-1/-2
Charpy Impact Unnotched	5.00 J/cm <sup>2</sup> @Temperature 23.0 °C	23.8 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	<= 1.00 J/cm <sup>2</sup> @Temperature 23.0 °C	<= 4.76 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	40.0 µm/m-°C	22.2 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	110 µm/m-°C	61.1 µin/in-°F	ISO 11359-1/-2

Melting Point Thermal Properties	225 Â°C Metric	437 Â°F English	10Â°C/min; ISO 11357-1/-3 Comments
Deflection Temperature at 0.46 MPa (66 psi)	210 Â°C	410 Â°F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	172 Â°C	342 Â°F	ISO 75-1/-2
Deflection Temperature at 8.0 MPa	70.0 Â°C	158 Â°F	ISO 75-1/-2
Vicat Softening Point	205 Â°C	401 Â°F	50Â°C/h 50N; ISO 306
Flammability, UL94	V-0	V-0	IEC 60695-11-10
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	V-0	V-0	IEC 60695-11-10
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	250 V	250 V	IEC 60112

Processing Properties	Metric	English	Comments
Melt Temperature	260 Â°C	500 Â°F	Injection Molding; ISO 294
Mold Temperature	80.0 Â°C	176 Â°F	Injection Molding; ISO 10724

Descriptive Properties	Value	Comments
Additives	Flame retarding agent	
Features	Flame retardant	
	High impact or high impact modified	
Form	Pellets	
ISO Shortname	ISO 7792-1-PBT,GFHMPR,09-060,GF15; ISO 1043-PBT GF FR(17)	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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