

Lanxess Pocan® KU 2-7209 Z 901510 PBT, 15% Glass Fiber

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

Material Notes:

PBT, injection molding grade with 15% glass fibers, elastomer modified, UL 94V0 at 0.8 mm (all colors-in house test), UL-listed from 1.5mm thickness.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Pocan-KU-2-7209-Z-901510-PBT-15-Glass-Fiber.php

| Physical Properties | Metric | English | Comments |
|------------------------------------|---|---|--|
| Density | 1.55 g/cc | 0.0560 lb/in ³ | 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 |
| Melt Flow | 31 g/10 min @Load 2.16 kg, Temperature 260 °C | 31 g/10 min @Load 4.76 lb, Temperature 500 °F | Estimated using room temperature density; ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|---|---|--------------|
| Tensile Strength at Break | 105 MPa | 15200 psi | ISO 527-1/-2 |
| Elongation at Break | 2.8 % | 2.8 % | ISO 527-1/-2 |
| Tensile Modulus | 6.70 GPa | 972 ksi | ISO 527-1/-2 |
| Charpy Impact Unnotched | 5.00 J/cm ² @Temperature 23.0 °C | 23.8 ft-lb/in ² @Temperature 73.4 °F | ISO 179/1eU |
| Charpy Impact, Notched | 1.00 J/cm ² @Temperature -30.0 °C | 4.76 ft-lb/in ² @Temperature -22.0 °F | ISO 179/1eA |
| | 1.00 J/cm ² @Temperature 23.0 °C | 4.76 ft-lb/in ² @Temperature 73.4 °F | ISO 179/1eA |

| Thermal Properties | Metric | English | Comments |
|-----------------------|----------------------------|-----------------------------|--------------------------|
| Melting Point | 225 °C | 437 °F | 10°C/min; ISO 11357-1/-3 |
| Vicat Softening Point | 205 °C | 401 °F | 50°C/h 50N; ISO 306 |
| Flammability, UL94 | V-0 @Thickness 0.800 mm | V-0 @Thickness 0.0315 in | IEC 60695-11-10 |
| | V-0 | V-0 | |

| Thermal Properties | Metric @ Thickness 1.60 mm | English @ Thickness 0.0630 in | IEC 60695-11-10 Comments |
|--------------------|-------------------------------|----------------------------------|-----------------------------|
|--------------------|-------------------------------|----------------------------------|-----------------------------|

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

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

| Descriptive Properties | Value | Comments |
|------------------------|--|----------|
| Features | High impact or high impact modified | |
| Form | Pellets | |
| ISO Shortname | ISO 7792-1-PBT,MFHPR,10-060,GF15; ISO 1043-PBT GF FR(17) | |
| Processing | Injection molding | |
| Region | Asia Pacific | |
| | Europe | |
| | Near East/Africa | |
| | North America | |
| | South and Central America | |

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