

## Lanxess Pocan® KU 2-7018 000000 PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Extrusion Grade , Polybutylene Terephthalate (PBT), Impact Grade , Polybutylene Terephthalate (PBT), Unreinforced, Molded

### Material Notes:

PBT, non-reinforced, extrusion, injection molding, impact modified

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lanxess-Pocan-KU-2-7018-000000-PBT.php](http://www.lookpolymers.com/polymer_Lanxess-Pocan-KU-2-7018-000000-PBT.php)

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in <sup>3</sup>	ISO 1183
Melt Flow	51 g/10 min @Load 5.00 kg, Temperature 270 °C	51 g/10 min @Load 11.0 lb, Temperature 518 °F	Estimated using room temperature density; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	40.0 MPa	5800 psi	ISO 527-1/-2
Elongation at Break	>= 50 %	>= 50 %	Nominal; ISO 527-1/-2
Elongation at Yield	4.5 %	4.5 %	ISO 527-1/-2
Tensile Modulus	1.75 GPa	254 ksi	ISO 527-1/-2
Charpy Impact Unnotched	NB @Temperature -30.0 °C	NB @Temperature -22.0 °F	ISO 179/1eU
	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179/1eU

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	130 µm/m-°C	72.2 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	130 µm/m-°C	72.2 µin/in-°F	ISO 11359-1/-2
Melting Point	225 °C	437 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	ISO 75-1/-2
Vicat Softening Point	130 °C	266 °F	50°C/h 50N; ISO 306

Thermal Properties	HB Metric	HB English	Comments 11-10
	@Thickness 0.800 mm	@Thickness 0.0315 in	
	HB	HB	IEC 60695-11-10
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Processing Properties	Metric	English	Comments
Melt Temperature	250 Â°C	482 Â°F	Injection Molding; ISO 294
Mold Temperature	80.0 Â°C	176 Â°F	Injection Molding; ISO 10724

Descriptive Properties	Value	Comments
Features	High impact or high impact modified	
Form	Pellets	
ISO Shortname	ISO 7792-1-PBT,GHPR,11-020	
Processing	Film extrusion	
	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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