

## Polyram PE322G22 PET, 22% Glass Fiber (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 20% Glass Reinforced

### Material Notes:

22% Glass fiber reinforced, flame retardant PET for injection molding applications. Information provided by Polyram Ram On Ind.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-PE322G22-PET-22-Glass-Fiber-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Polyram-PE322G22-PET-22-Glass-Fiber-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in <sup>3</sup>	DIN 53479
Water Absorption	0.50 %	0.50 %	DIN 53495
Moisture Absorption at Equilibrium	0.20 %	0.20 %	23° C, 50% RH; DIN 53714
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	
Melt Flow	13 g/10 min @Load 2.16 kg, Temperature 280 °C	13 g/10 min @Load 4.76 lb, Temperature 536 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	100 MPa	14500 psi	ASTM-D638
Elongation at Break	2.5 %	2.5 %	ASTM-D638
Flexural Strength	150 MPa	21800 psi	ASTM D790
Flexural Modulus	6.70 GPa	972 ksi	ASTM-D790
Izod Impact, Notched	0.800 J/cm @Temperature 23.0 °C	1.50 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	
Deflection Temperature at 0.46 MPa (66 psi)	250 °C	482 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	226 °C	439 °F	DIN 53461
Flammability, UL94	V-2 @Thickness 3.00 mm	V-2 @Thickness 0.118 in	
Glow Wire Test	960 °C	1760 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	$\geq 1.00 \times 10^{16}$ ohm-cm	$\geq 1.00 \times 10^{16}$ ohm-cm	DIN 53482
Dielectric Constant	3.6 @Frequency 1e+6 Hz	3.6 @Frequency 1e+6 Hz	VDE 0303/4
Dielectric Strength	29.0 kV/mm	737 kV/in	VDE 0303/4

## Contact Songhan Plastic Technology Co.,Ltd.

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