

## Polyram RamTough PZ301R8 Polycarbonate, 40% Carbon Fiber

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Carbon Fiber Reinforced

**Material Notes:**

40% Carbon fiber reinforced polycarbonate for injection molding applications Information provided by Polyram Ram On Ind.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-RamTough-PZ301R8-Polycarbonate-40-Carbon-Fiber.php](http://www.lookpolymers.com/polymer_Polyram-RamTough-PZ301R8-Polycarbonate-40-Carbon-Fiber.php)

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in <sup>3</sup>	DIN 53479
Water Absorption	0.070 %	0.070 %	DIN 53495
Linear Mold Shrinkage	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	
Melt Flow	5.0 g/10 min @Load 1.20 kg, Temperature 300 °C	5.0 g/10 min @Load 2.65 lb, Temperature 572 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	135 MPa	19600 psi	ASTM-D638
Elongation at Break	1.5 %	1.5 %	ASTM-D638
Tensile Modulus	19.5 GPa	2830 ksi	ASTM-D790
Flexural Strength	185 MPa	26800 psi	ASTM D790
Flexural Modulus	13.5 GPa	1960 ksi	ASTM-D790
Izod Impact, Notched	0.550 J/cm @Temperature 23.0 °C	1.03 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Electrical Properties	Metric	English	Comments
Dielectric Strength	30.0 kV/mm	762 kV/in	VDE 0303/4

## Contact Songhan Plastic Technology Co.,Ltd.

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