

Ecomass® 3011ZD86 Tungsten Filled Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

Nontoxic alternative to Lead (Pb), weighting, balancing and radiation shielding applications
High Specific Gravity
Tungsten Filled Polycarbonate (PC) Compound
Good Toughness
Information provided by Technical Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ecomass-3011ZD86-Tungsten-Filled-Polycarbonate.php

Physical Properties	Metric	English	Comments
Specific Gravity	6.00 g/cc	6.00 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	27.0 MPa	3920 psi	ISO 527
Elongation at Break	<= 5.0 %	<= 5.0 %	ISO 527
Flexural Strength	35.0 MPa	5080 psi	ISO 178
Flexural Modulus	5.92 GPa	859 ksi	ISO 178
Izod Impact, Notched (ISO)	7.40 kJ/m ²	3.52 ft-lb/in ²	ISO 180-A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	138 °C	280 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	132 °C	270 °F	ISO 75

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 315 °C	518 - 599 °F	
Mold Temperature	70.0 - 100 °C	158 - 212 °F	
Drying Temperature	121 °C	250 °F	
Dry Time	3 - 4 hour	3 - 4 hour	

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