

Ecomass® 4450CI86 Carbonyl Iron Filled Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Nontoxic alternative to Lead (Pb), for shielding applications
High Specific Gravity
Carbonyl Iron Filled Polypropylene Random Co-Polymer
Information provided by Technical Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ecomass-4450CI86-Carbonyl-Iron-Filled-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	3.70 g/cc	3.70 g/cc	ASTM D792
Linear Mold Shrinkage	0.0060 - 0.010 cm/cm	0.0060 - 0.010 in/in	Internal

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	19.0 MPa	2760 psi	ISO 527
Elongation at Break	1.3 %	1.3 %	ISO 527
Flexural Modulus	3.796 GPa	550.6 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)	76.0 °C	169 °F	ISO 75

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 215 °C	392 - 419 °F	
Mold Temperature	10.0 - 38.0 °C	50.0 - 100 °F	

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