

Ecomass® 705BI79 BaSO4 Filled ABS

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Nontoxic alternative to traditional materials, radiation shielding applications. Moderate Specific Gravity BaSO4 Powder Filled ABS
Information provided by Technical Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ecomass-705BI79-BaSO4-Filled-ABS.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.60 g/cc	2.60 g/cc	ISO 1183
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	Internal

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	ISO 527
Elongation at Break	2.0 - 3.0 %	2.0 - 3.0 %	ISO 527
Flexural Modulus	8.00 GPa	1160 ksi	ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ² @Thickness 3.20 mm	2.86 ft-lb/in ² @Thickness 0.126 in	ISO 180-A

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 265 °C	482 - 509 °F	
Mold Temperature	55.0 - 80.0 °C	131 - 176 °F	
Drying Temperature	90.0 °C	194 °F	
Dry Time	2 - 4 hour	2 - 4 hour	

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