

Ecomass® 705ZC75 Stainless Steel Filled ABS

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Nontoxic Alternative to traditional metals, weighting and balancing applications
Moderate Specific Gravity
Stainless Steel Powder Filled
ABS
Information provided by Technical Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ecomass-705ZC75-Stainless-Steel-Filled-ABS.php

Physical Properties	Metric	English	Comments
Specific Gravity	3.00 g/cc	3.00 g/cc	ISO 1183
Linear Mold Shrinkage	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	Internal

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	28.0 MPa	4060 psi	ISO 527
Elongation at Break	2.0 - 4.0 %	2.0 - 4.0 %	ISO 527
Flexural Modulus	5.40 GPa	783 ksi	ISO 178
Izod Impact, Notched (ISO)	7.40 kJ/m ² @Thickness 3.20 mm	3.52 ft-lb/in ² @Thickness 0.126 in	ISO 180-A

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 270 °C	392 - 518 °F	
Mold Temperature	55.0 - 70.0 °C	131 - 158 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	2 - 4 hour	2 - 4 hour	

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