

## Ecomass® 4703ZC87 Stainless Steel Filled Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

**Material Notes:**

Nontoxic alternative to Lead (Pb), weighting and balancing applications Moderate Specific Gravity Stainless Steel Filled Polyurethane (TPU) Flexible Information provided by Technical Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ecomass-4703ZC87-Stainless-Steel-Filled-Polyurethane.php](http://www.lookpolymers.com/polymer_Ecomass-4703ZC87-Stainless-Steel-Filled-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	4.50 g/cc	4.50 g/cc	ASTM D792
Linear Mold Shrinkage	0.0060 - 0.0090 cm/cm	0.0060 - 0.0090 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	8.515 MPa	1235 psi	ASTM D638
Elongation at Break	100 %	100 %	ASTM D638
Tensile Modulus	0.724 GPa	105 ksi	ASTM D638
Flexural Strength	57.2 MPa	8300 psi	ASTM D790
Flexural Modulus	0.579 GPa	84.0 ksi	ASTM D790
Izod Impact, Notched	3.58 J/cm	6.70 ft-lb/in	ASTM D256

Processing Properties	Metric	English	Comments
Melt Temperature	204 - 221 °C	400 - 430 °F	
Mold Temperature	10.0 - 26.7 °C	50.0 - 80.0 °F	
Drying Temperature	93.3 °C	200 °F	then reduce to 160°F
Dry Time	2 hour	2 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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