



The strength of chemicals.

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# Technical Data Sheet

Preliminary

**Material:** Ecomass® Compound 706ZC85

*Nontoxic alternative to traditional materials, weighting and balancing applications*

**Description / Features:** Moderate Specific Gravity, Stainless Steel Powder Filled ABS, Plating Grade

**Processing Method:** Injection Molding

## Physical Properties

	Test Method	Value	Units
<b>Physical Properties</b>			
Product Form		Pellets	
Specific Gravity	ISO 1183	4.00	
<b>Mechanical Properties</b>			
Tensile Strength	ISO 527	20	MPa
Tensile Elongation at Break	ISO 527	2 - 4	%
Flexural Modulus	ISO 178	5,400	MPa
Izod Impact Strength, notched (3.2mm)	ISO 180-A	5.4	KJ/m <sup>2</sup>
<b>Processing Information</b>			
Melt Temperature Range		200 - 270	°C
Mold Temperature Range		55 - 80	°C
Mold Shrinkage Rate	Internal (4mm)	0.4 - 0.6	%
Drying Conditions		2 - 4 hrs @ 90°C	

The information provided above is based on laboratory testing using test methods indicated and is believed to represent nominal results of those tests. Because conditions under which this material may be processed, tested or used cannot be anticipated, no warranty is given, either expressed or implied, as to the accuracy or reproducibility of this information or for the fitness of this material for any particular use. This material is sold with the express understanding that purchasers, processors or other users of this material have sole responsibility, through performance of their own testing, to determine the suitability of this material for any particular use.

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