



The strength of chemicals.

4917 Golden Parkway, Suite 300
Buford, GA 30518
770-237-2311



Technical Data Sheet

Preliminary

Material: Ecomass® Compound 706BI76

Nontoxic alternative to traditional materials

Description / Features: Moderate Specific Gravity, Filled ABS, Plating Grade

Processing Method: Injection Molding

Physical Properties

	Test Method	Value	Units
Physical Properties			
Product Form		Pellets	
Specific Gravity	ISO 1183	2.50	
Mechanical Properties			
Tensile Strength	ISO 527	20.0	MPa
Tensile Elongation at Break	ISO 527	3 - 5	%
Flexural Modulus	ISO 178	5,470	MPa
Izod Impact Strength, notched (23C, 3.2mm)	ISO 180-A	64.0	J/m
Thermal Properties			
Softening Point	ISO 306	97	°C
Heat Deflection Temp. 0.45 MPa	ISO 75	94	°C
Heat Deflection Temp. 1.82 MPa	ISO 75	84	°C
Other Properties			
Flammability (1.50mm)	UL94	HB	
Processing Information			
Melt Temperature Range		220 - 265	°C
Mold Temperature Range		50 - 80	°C
Mold Shrinkage Rate	Internal (4mm)	0.3 - 0.5	%
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.

Ecomass® Compounds are manufactured by DOMO Engineering Plastics US under license from Ecomass Technologies
Ecomass® is a registered trademark