



Technical Data Sheet

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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	

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