



Technical Data Sheet

4917 Golden Parkway, Suite 300
Buford, GA 30518
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Preliminary

Material:  Ecomass® Compound 720ZC85

Description / Features: High Specific Gravity, Stainless Steel Powder Filled ABS, Good Toughness, Plateable
Processing Method: Injection Molding

Physical Properties

	Test Method	Value	Units
Physical Properties			
Product Form		Pellets	
Specific Gravity	ASTM D792	4.00	g/cc
Mechanical Properties			
Tensile Strength	ASTM D638	2,756	psi
Tensile Modulus			
Tensile Elongation at Break	ASTM D638	1.1	%
Flexural Modulus	ASTM D790	1,251,821	psi
Flexural Strength			
Izod Impact Strength	ASTM D256	1.1	ft-lb/in
Thermal Properties			
Heat Deflection Temperature at 66 psi		Not Available	°F
Heat Deflection Temperature at 264 psi		Not Available	°F
Electrical Properties			
Surface Resistivity		Not Available	ohms/sq
Processing Information			
Melt Temperature Range		400 - 480	°F
Mold Temperature Range		80 - 120	°F
Mold Shrinkage Rate	ASTM D955	0.2	%
Pre-Drying Conditions		2 - 4 Hours @ 160 - 180F	

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