



Technical Data Sheet

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Material: Ecomass® Compound 4703ZC76

Nontoxic alternative to Lead (Pb), weighting and balancing applications

Description / Features: Moderate Specific Gravity, Stainless Steel Filled Polyurethane (TPU)

Processing Method: Injection Molding

Physical Properties

Test Method	English		SI		
	Value	Units	Value	Units	
Physical Properties					
Product Form	Pellets		Pellets		
Density	ASTM D792	3.40	g/cc	3.40	g/cc
Mechanical Properties					
Tensile Strength	ASTM D638	2,700	psi	19	MPa
Tensile Modulus	ASTM D638	75,000	psi	517	MPa
Tensile Elongation at Break	ASTM D638	200	%	200	%
Flexural Modulus	ASTM D790	24,200	psi	167	MPa
Flexural Strength	ASTM D790	6,000	psi	41	MPa
Izod Impact Strength	ASTM D256	5.00	ft-lb/in	267	J/m
Processing Information					
Melt Temperature Range		400 - 430	°F	205 - 220	°C
Mold Temperature Range		50 - 80	°F	10 - 25	°C
Mold Shrinkage Rate	ASTM D955	0.006 - 0.009	in/in	0.6 - 0.9	%
Pre-Drying Conditions	(do not over-dry)	2hrs @ 180 °F		2hrs @ 85 °C	

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