



The strength of chemicals.
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Technical Data Sheet



Material: Ecomass[®] Compound 5033ZC87

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

Description / Features: High Specific Gravity, SS Powder Filled Styrene Isoprene Styrene (SIS), Flexible

Processing Method: Injection Molding

Physical Properties

| | Test Method | Value | Units |
|--|-------------|---------------|----------|
| Physical Properties | | | |
| Product Form | | Pellets | |
| Specific Gravity | ASTM D792 | 3.90 | |
| Mechanical Properties | | | |
| Tensile Strength | ASTM D638 | 1,750 | psi |
| Tensile Modulus | ASTM D638 | 96,000 | psi |
| Tensile Elongation at Break | ASTM D638 | 12 | % |
| Flexural Modulus | ASTM D790 | 116,000 | psi |
| Flexural Strength | ASTM D790 | 3,350 | psi |
| Izod Impact Strength, notched | ASTM D256 | 5.0 | ft-lb/in |
| Thermal Properties | | | |
| Heat Deflection Temperature at 66 psi | ASTM D648 | NA | °F |
| Heat Deflection Temperature at 264 psi | ASTM D648 | NA | °F |
| Electrical Properties | | | |
| Surface Resistivity | ASTM D257 | 0.2 | ohms/sq |
| Processing Information | | | |
| Melt Temperature Range | | 220 - 375 | °F |
| Mold Temperature Range | | 70 - 110 | °F |
| Mold Shrinkage Rate | ASTM D955 | 0.003 - 0.007 | in/in |
| Pre-Drying Conditions | | NA | |

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