



Technical Data Sheet

4101 Parkstone Heights Drive, Suite 380
Austin, Texas 78746-7482
512-306-0020

Preliminary

Material: Ecomass® Compound 720ZD91

Description / Features: High Specific Gravity, Tungsten 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 | 7.00 | g/cc |
| Mechanical Properties | | | |
| Tensile Strength | ASTM D638 | 2,400 | psi |
| Tensile Modulus | | | |
| Tensile Elongation at Break | ASTM D638 | 1.1 | % |
| Flexural Modulus | ASTM D790 | 1,300,000 | psi |
| Flexural Strength | | | |
| Izod Impact Strength | ASTM D256 | 1.0 | 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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