

Ecomass® Compound 1700C093

PA12-MED(x)

DOMO Engineering Plastics

Product Texts

Nontoxic alternative to Lead (Pb)

Processing/Physical Characteristics

| | Value | Unit | Test Standard |
|--------------------|-------|-------|---------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.005 | mm/mm | ASTM D 955 |

Mechanical properties

| | Value | Unit | Test Standard |
|-----------------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Modulus | 9653 | MPa | ASTM D 638 |
| Tensile Strength | 44.8 | MPa | ASTM D 638 |
| Elongation at Break | 1 | % | ASTM D 638 |
| Flexural Modulus | 8963 | MPa | ASTM D 790 |
| Flexural Strength | 65.5 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 66.7 | J/m | ASTM D 256 |

Thermal properties

| | Value | Unit | Test Standard |
|------------------|-------|------|---------------|
| ASTM Data | | | |
| DTUL @ 66 psi | 159 | °C | ASTM D 648 |
| DTUL @ 264 psi | 155 | °C | ASTM D 648 |

Electrical properties

| | Value | Unit | Test Standard |
|---------------------|-------|------|---------------|
| ASTM Data | | | |
| Surface Resistivity | 0.21 | Ohm | ASTM D 257 |

Other properties

| | Value | Unit | Test Standard |
|---------|-------|-------------------|---------------|
| Density | 5700 | kg/m ³ | ASTM D 792 |

Processing Recommendation Injection Molding

| | Value | Unit | Test Standard |
|--------------------------|-------------|------|---------------|
| Pre-drying - Temperature | 73.9 | °C | - |
| Pre-drying - Time | 4 | h | - |
| Melt temperature | 204 - 254 | °C | - |
| Mold temperature | 57.2 - 82.2 | °C | - |

Characteristics**Processing**

Injection Molding

Features

EMI Attenuation/Shielding, Low Odor

Delivery form

Pellets

Regional Availability

North America