

Product Texts

PA66 with Stainless Steel Fiber.

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| Tensile Modulus | 5806 | MPa | ASTM D 638 |
| Tensile Strength at Break | 84.4 | MPa | ASTM D 638 |
| Elongation at Break | 2.8 | % | ASTM D 638 |
| Flexural Modulus | 5369 | MPa | ASTM D 790 |
| Flexural Strength | 141 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 53.4 | J/m | ASTM D 256 |
| Izod Impact unnotched, 1/8 in | 374 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|---------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| DTUL @ 264 psi | 98.9 | °C | ASTM D 648 |

| Electrical properties | Value | Unit | Test Standard |
|--------------------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| Volume Resistivity | 5.67 | Ohm*cm | ASTM D 257 |
| Other Standards^[S] | | | |
| Surface Resistivity | 1.73 | Ohm | ESD STM 11.11 |

S: These properties are reported by the producer according standards that are different to our defaults.

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 1490 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| Pre-drying - Temperature | 82.2 | °C | - |
| Pre-drying - Time | 4 | h | - |
| Zone 1 | 282 | °C | - |
| Zone 2 | 277 | °C | - |
| Zone 3 | 288 | °C | - |
| Nozzle temperature | 288 | °C | - |
| Screw speed | 50 | rpm | - |
| Injection speed | 25.4 | mm/s | - |
| Injection pressure | 3.45 | MPa | - |
| Back pressure | 0.517 | MPa | - |

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

Heat stabilized or stable to heat

Features

EMI Attenuation/Shielding

Applications

Automotive, Electrical and Electronical

Regional Availability

North America