

ULTEM™ Resin JD7904

PEI-CD

Saudi Basic Industries Corporation (SABIC)

Product Texts

ULTEM JD7904 compound is based on Polyetherimide (PEI) resin containing conductive carbon powder. Added features of this grade include: Anti-Static, Anti-Dust.

| Mechanical properties | Value | Unit | Test Standard |
|------------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| Flexural Modulus | 3720 | MPa | ASTM D 790 |
| Flexural Strength | 127 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 29 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|---------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| DTUL @ 66 psi | 200 | °C | ASTM D 648 |

| Electrical properties | Value | Unit | Test Standard |
|------------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| Surface Resistivity | 1E10 | Ohm | ASTM D 257 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 1310 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature | 150 | °C | - |
| Pre-drying - Time | 4 - 6 | h | - |
| Processing humidity | ≤0.02 | % | - |
| Melt temperature | 380 - 410 | °C | - |
| Mold temperature | 140 - 170 | °C | - |
| Zone 1 | 360 - 390 | °C | - |
| Zone 2 | 370 - 400 | °C | - |
| Zone 3 | 380 - 410 | °C | - |

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific