



Statimax 820

Polybenzimidazole (PBI), Electrostatic Dissipative (ESD)

| General | ASTM No. | US Value | SI Unit |
|--|-----------------|--|----------------|
| Specific Gravity | D792 | | 1.46 |
| Water Absorption (24hr. @ 23 °C, %) | D570 | | 0.4 |
| Mechanical | | | |
| Tensile Strength | D638 | 26 Kpsi | 180 MPa |
| Tensile Modulus | D638 | 1.1 Mpsi | 7.6 GPa |
| Flexural Strength | D790 | 35 Kpsi | 240 MPa |
| Flexural Modulus | D790 | 1.3 Mpsi | 9.0 GPa |
| Compressive Strength | D695 | 60 Kpsi | 410 MPa |
| Compressive Modulus | D695 | 1.1 Mpsi | 7.6 GPa |
| Thermal | | | |
| Tg, °F | D3418 | 800 °F | 427 °C |
| HDT@ 264 psi, °F | D648 | 820 °F | 438 °C |
| Electrical | | | |
| Surface Resistivity | D257 | 10 ⁶ - 10 ⁸ Ohm/sq | |

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