

DIC-PPS FZ-6600-R1

PPS-(GF+MX)

DIC Trading (USA) Inc.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|--------|-------|---------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.0025 | mm/mm | ASTM D 955 |
| Mold Shrinkage, TD | 0.01 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Modulus | 19000 | MPa | ASTM D 638 |
| Tensile Strength | 180 | MPa | ASTM D 638 |
| Elongation at Break | 1.2 | % | ASTM D 638 |
| Compressive Strength | 170 | MPa | ASTM D 695 |
| Flexural Modulus | 18000 | MPa | ASTM D 790 |
| Flexural Strength | 250 | MPa | ASTM D 790 |
| Rockwell Hardness | R 121 | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 80 | J/m | ASTM D 256 |
| Izod Impact unnotched, 1/8 in | 450 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------------------------|-------|-------|---------------|
| ASTM Data | | | |
| UL 94 Flame rating | V-0 | - | UL 94 |
| Thickness tested | 0.8 | mm | - |
| Coefficient of Thermal Expansion, MD | 17 | E-6/K | ASTM D 696 |
| DTUL @ 264 psi | 265 | °C | ASTM D 648 |

| Electrical properties | Value | Unit | Test Standard |
|---------------------------------|-------|--------|---------------|
| ASTM Data | | | |
| Dielectric Strength, Short Time | 16 | kV/mm | ASTM D 149 |
| Dissipation Factor, 1 MHz | 0.006 | - | ASTM D 150 |
| Dielectric Constant, 1 MHz | 5 | - | ASTM D 150 |
| Volume Resistivity | >1E15 | Ohm*cm | ASTM D 257 |
| Arc Resistance | 180 | s | ASTM D 495 |

| Other properties | Value | Unit | Test Standard |
|------------------------|-------|-------------------|---------------|
| Water Absorption, 24hr | 0.02 | % | ASTM D 570 |
| Density | 1960 | kg/m ³ | ASTM D 792 |

Characteristics**Delivery form**

Black, Natural Color

Regional Availability

North America, Europe, Asia Pacific

Features

Weldable