



G-COAT 600 Series

Product Details: Ultra High performance thermoplastic polymers, unfilled Polyether Ketone, semi crystalline, fine powder for electrostatic coating & thermal spraying, high flow, suitable for food contact applications, color natural.

Typical Properties

| PROPERTY | TEST METHOD/CONDITIONS | UNIT | G-COAT 600 |
|---------------------------|------------------------|--------|-------------|
| General Properties | | | |
| Bulk Density | ASTM D 1895B | g/cc | 0.21 |
| Appearance | - | - | Beige Color |
| Max. Thickness | per coat | micron | 125-150 |
| Water Absorption | ASTM D 570-98 | % | 0.06 |
| Solid Density | 23°C | g/cc | 1.3 |

Particle Size Distribution

D(50) <10 micron & D(99) <100 micron

Thermal Properties

| | | | |
|---------------------------------------|--------------------|----|-----|
| Glass Transition Temperature(Tg) | ASTM D 3418 | °C | 152 |
| Melting Point (Tm) | ASTM D 3418 | °C | 372 |
| Continuous Use Temperature (Expected) | UL 746B | °C | 280 |
| Baking Temperature | Object Temperature | °C | 420 |

Fire Properties

| | | | |
|--------------|--------------|---|-----|
| Flammability | UL 94/0.8 mm | - | V-0 |
|--------------|--------------|---|-----|

Wear Properties

| | | | |
|---------------------------------------|-------------------------|----|----|
| Abrasion Resistance after 1000 cycles | ASTM D 1242/wheel CS-10 | mg | 10 |
|---------------------------------------|-------------------------|----|----|

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