

Ultraform® W 2320 003 BK120 Q600

Polyoxymethylene (POM)

Ultraform W 2320 003 BK120 Q600 is a pigmented black, very easy flowing and rapidly solidifying injection molding POM grade for use where processing is extremely difficult but mechanical properties are lower. Contains a mold release agent.

Applications

Typical applications include thin walled parts.

| PHYSICAL | ISO Test Method | Property Value |
|--|-----------------|----------------|
| Density, g/cm ³ | 1183 | 1.40 |
| Moisture, % | 62 | |
| (50% RH) | | 0.2 |
| (Saturation) | | 0.8 |
| MECHANICAL | ISO Test Method | Property Value |
| Tensile Modulus, MPa | 527 | |
| 23 °C | | 2,700 |
| Tensile stress at yield, MPa | 527 | |
| 23 °C | | 63 |
| Tensile strain at yield, % | 527 | |
| 23 °C | | 7.5 |
| Flexural Modulus, MPa | 178 | |
| 23 °C | | 2,600 |
| IMPACT | ISO Test Method | Property Value |
| Izod Notched Impact, kJ/m² | 180 | |
| 23 °C | | 5.5 |

| 23°C | | 5.5 |
|--|-----------------|----------------|
| THERMAL | ISO Test Method | Property Value |
| Melting Point, °C | 3146 | 167 |
| HDT A, ° C | 75 | 90 |
| UL RATINGS | UL Test Method | Property Value |
| Flammability Rating, 1.5mm | UL94 | HB |
| Relative Temperature Index, 1.5mm | UL746B | |
| Mechanical w/o Impact, °C | | 90 |
| Mechanical w/ Impact, °C | | 90 |
| Electrical, °C | | 105 |
| Flammability Rating, 3.0mm | UL94 | HB |
| Relative Temperature Index, 3.0mm | UL746B | |
| Mechanical w/o Impact, °C | | 105 |
| Mechanical w/ Impact, °C | | 90 |
| Electrical, °C | | 105 |

Note

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