

Ultramid® B3M6 BK60564

Polyamide 6

ultramid B3M6 BK60564 is a 30% mineral reinforced, pigmented black injection molding PA6 grade for industrial items requiring high impact strength and very high dimensional stability, excellent laser markability.

Applications

Typical applications include industrial items.

| PHYSICAL | ISO Test Method | Property Value | |
|--|-----------------|----------------|-------------|
| Density, g/cm ³ | 1183 | 1.36 | |
| Moisture, % | 62 | | |
| (50% RH) | | 2.4 | |
| (Saturation) | | 6.2 | |
| MECHANICAL | ISO Test Method | Dry | Conditioned |
| Tensile Modulus, MPa | 527 | | |
| 23 °C | | 3,700 | - |
| Tensile stress at break, MPa | 527 | | |
| 23 °C | | 85 | - |
| Tensile strain at break, % | 527 | | |
| 23 °C | | 4.9 | - |
| Flexural Modulus, MPa | 178 | | |
| 23 °C | | 3,270 | - |
| IMPACT | ISO Test Method | Dry | Conditioned |
| Izod Notched Impact, kJ/m² | 180 | | |
| -40 °C | | 4 | - |

| | | | |
|---|------------------------|------------|--------------------|
| 23°C | | 5.5 | - |
| Charpy Notched, kJ/m² | 179 | | |
| 23°C | | 5.6 | - |
| THERMAL | ISO Test Method | Dry | Conditioned |
| Melting Point, °C | 3146 | 220 | - |
| HDT A, °C | 75 | 70 | - |
| HDT B, °C | 75 | 160 | - |
| ELECTRICAL | ISO Test Method | Dry | Conditioned |
| Volume Resistivity (Ohm-m) | IEC 60093 | >1E13 | - |

Note

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