

Kocetal® UR304BK

(POM+TPU)

Kolon Industries

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|---------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 9 | g/10min | ASTM D 1238 |
| Mold Shrinkage, MD | 0.017 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Strength | 45 | MPa | ASTM D 638 |
| Elongation at Break | 130 | % | ASTM D 638 |
| Flexural Modulus | 1800 | MPa | ASTM D 790 |
| Flexural Strength | 59 | MPa | ASTM D 790 |
| Rockwell Hardness | M 76 | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 128 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------------------------|-------|-------|---------------|
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| Coefficient of Thermal Expansion, MD | 130 | E-6/K | ASTM D 696 |
| DTUL @ 66 psi | 145 | °C | ASTM D 648 |
| DTUL @ 264 psi | 82 | °C | ASTM D 648 |
| Melting Temperature | 166 | °C | ASTM D 3418 |

| Electrical properties | Value | Unit | Test Standard |
|---------------------------------|-------|--------|---------------|
| ASTM Data | | | |
| Dielectric Strength, Short Time | 19 | kV/mm | ASTM D 149 |
| Dissipation Factor, 1 MHz | 0.006 | - | ASTM D 150 |
| Surface Resistivity | >1E15 | Ohm | ASTM D 257 |
| Volume Resistivity | >1E15 | Ohm*cm | ASTM D 257 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1360 | kg/m ³ | ASTM D 792 |

Characteristics**Delivery form**

Black

Regional Availability

North America, Asia Pacific

Special Characteristics

High impact or impact modified