

Ultramid® B 3K (Cond)

Polyamide 6

BASF Corporation

Product Description

Ultramid B 3K is an easy flowing, stabilized PA6 product for fast processing.

General

| | |
|-------------------|---|
| Material Status | • Commercial: Active |
| Availability | • North America |
| Additive | • Heat Stabilizer • Mold Release |
| Features | • Good Abrasion Resistance • Good Processability • Low Viscosity • Good Chemical Resistance • Good Thermal Aging • Oil Resistant • Good Colorability • Resistance • Good Dimensional Stability • Good UV Resistance • Semi Crystalline • Good Flow • Good Weather Resistance • Heat Stabilized |
| Uses | • Automotive Applications • Household Goods • Power/Other Tools • Engineering Parts • Lawn and Garden Equipment • Seats |
| RoHS Compliance | • RoHS Compliant |
| Appearance | • Colors Available • Natural Color |
| Forms | • Pellets |
| Processing Method | • Injection Molding |
| Multi-Point Data | • Creep Modulus vs. Time (ISO 11403-1) • Isothermal Stress vs. Strain (ISO 11403-1) • Shear Modulus vs. Temperature (ISO 11403-2) • Isochronous Stress vs. Strain (ISO 11403-1) • Secant Modulus vs. Strain (ISO 11403-1) |

| Mechanical | Nominal Value | Unit | Test Method |
|-------------------------|---------------|------|------------------------|
| Tensile modulus | 1000 | MPa | ISO 527-2 ² |
| Tensile Stress (Yield) | 40.0 | MPa | ISO 527-2 ² |
| Tensile Strain (Yield) | 20 | % | ISO 527-2 ² |
| Nominal strain at break | > 50 | % | ISO 527-2 ² |

| Impact | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|--------------------------|
| Charpy notched impact strength (23°C) | 60.0 | kJ/m ² | ISO 179/1eA ² |
| Charpy Unnotched Impact Strength (23°C) | No Break | | ISO 179 |

| Electrical | Nominal Value | Unit | Test Method |
|----------------------------------|---------------|--------|-------------|
| Surface Resistivity ³ | 1.0E+10 | ohms | ASTM D257 |
| Volume Resistivity (1.50 mm) | 1.0E+10 | ohm·cm | ASTM D257 |

Notes

¹ Typical properties: these are not to be construed as specifications.

² Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

³ 1.5 mm

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

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