

Ravamid[®] A GF 40 BK

Polyamide 66
Industrial Quality Compound

Description:

Polyamide 66 black containing recycled material, 40% glass fibre reinforced, good mechanical properties

General

| | | | |
|--------------------------------|----------|------|-------------------|
| Density | ISO 1183 | 1,48 | g/cm ³ |
| Mold shrinkage (Parallel) | | 0,33 | % |
| Mold shrinkage (Perpendicular) | | 0,70 | % |

Thermal

| | | | |
|-----------------|---------|-----|----|
| HDT/A (1,82MPa) | ISO 75A | 215 | °C |
|-----------------|---------|-----|----|

Mechanical

| | | | |
|--|---------|------|-------------------|
| Izod notched impact strength (23 °C) | ISO 180 | 7,5 | kJ/m ² |
| Charpy notched impact strength (23 °C) | ISO 179 | 7,0 | kJ/m ² |
| Charpy unnotched impact strength (23 °C) | ISO 179 | 55 | kJ/m ² |
| Tensile strength at yield (23 °C) | ISO 527 | 155 | MPa |
| Elongation at break (23 °C) | ISO 527 | 3,5 | % |
| Tensile modulus (23 °C) | ISO 527 | 9100 | MPa |
| Flexural modulus (23 °C) | ISO 178 | 8600 | MPa |

Flammability

| | | | |
|---------------------------------------|----------------|------|--------|
| Flammability (3,2mm) | UL94 | HB | |
| Flammability (1,6mm) | UL94 | HB | |
| Burning rate (FMVSS 302) | ISO 3795 | <100 | mm/min |
| Glow wire flammability index (2,0 mm) | IEC 60695-2-12 | 650 | °C |

Various

| | | | |
|----------|---------|-------|---|
| Humidity | ISO 960 | ≤0.10 | % |
|----------|---------|-------|---|