

Ravamid[®] A GB 30 BK

Polyamide 66
Industrial Quality Compound

Description:

Polyamide 66 black containing recycled material, 30% glass beads reinforced, also available Heat Stabilized (H) and UV Stabilized (UV)

General

| | | | |
|--------------------------------|----------|------|-------------------|
| Density | ISO 1183 | 1.35 | g/cm ³ |
| Mold shrinkage (Parallel) | | 0.80 | % |
| Mold shrinkage (Perpendicular) | | 1.00 | % |

Thermal

| | | | |
|-----------------|---------|----|----|
| HDT/A (1,82MPa) | ISO 75A | 85 | °C |
|-----------------|---------|----|----|

Mechanical

| | | | |
|--|---------|------|-------------------|
| Izod notched impact strength (23°C) | ISO 180 | 5.5 | kJ/m ² |
| Charpy notched impact strength (23 °C) | ISO 179 | 4 | kJ/m ² |
| Charpy unnotched impact strength (23 °C) | ISO 179 | 30 | kJ/m ² |
| Tensile stress at yield | ISO 527 | 60 | MPa |
| Tensile stress at break | ISO 527 | 55 | MPa |
| Elongation at break | ISO 527 | 7 | % |
| Tensile modulus | ISO 527 | 4500 | MPa |
| Flex modulus | ISO 178 | 3800 | 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 | ≤0.15 | % |
|----------|---------|-------|---|