

Ravamid[®] B MGF 20/10 H BK27

Polyamide 6
Industrial Quality Compound

Description:

Polyamide 6 black, 20% mineral, 10% glass fiber filled, Heat Stabilized, deep black designed for high aesthetical applications

General

| | | | |
|--------------------------------|----------|------|-------------------|
| MFI (275°C/5kg) | ISO1133 | 55 | g/10min |
| Density | ISO 1183 | 1.35 | g/cm ³ |
| Mold shrinkage (Parallel) | | 0.30 | % |
| Mold shrinkage (Perpendicular) | | 0.75 | % |

Thermal

| | | | |
|-----------------|---------|-----|----|
| HDT/A (1,82MPa) | ISO 75A | 190 | °C |
|-----------------|---------|-----|----|

Mechanical

| | | | |
|---|---------|------|-------------------|
| Charpy notched impact strength (23 °C) | ISO 179 | 5 | kJ/m ² |
| Charpy notched impact strength (-23 °C) | ISO 179 | 4 | kJ/m ² |
| Charpy unnotched impact strength (23 °C) | ISO 179 | 40 | kJ/m ² |
| Charpy unnotched impact strength (-30 °C) | ISO 179 | 35 | kJ/m ² |
| Tensile strength at break (23 °C) | ISO 527 | 100 | MPa |
| Elongation at break (23 °C) | ISO 527 | 5 | % |
| Tensile modulus (23 °C) | ISO 527 | 7000 | MPa |
| Flexural modulus (23 °C) | ISO 178 | 6400 | 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 | ≤0.20 | % |
|----------|---------|-------|---|

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Ravago Group Headquarters