

Ravamid[®] B GF15 ST BK45

Polyamide 6
Industrial Quality Compound

Description:

Polyamide 6 black, containing recycled material, 15 % glass fiber reinforced, good mechanical properties, high impact modified

General

| | | | |
|------------------------|-----------|-----------|-------------------|
| Density | ISO 1183 | 1.17 | g/cm ³ |
| Linear mould shrinkage | ASTM D955 | 0,35-0,95 | % |

Thermal

| | | | |
|-----------------|----------|-----|----|
| HDT/A (1,82MPa) | ISO 75A | 170 | °C |
| Melting point | ISO 3146 | 220 | °C |

Mechanical

| | | | |
|--|---------|------|-------------------|
| Izod notched impact strength (23°C) | ISO 180 | 9,5 | kJ/m ² |
| Charpy notched impact strength (23 °C) | ISO 179 | 9 | kJ/m ² |
| Charpy unnotched impact strength (23 °C) | ISO 179 | 50 | kJ/m ² |
| Tensile stress at break | ISO 527 | 75 | MPa |
| Elongation at break | ISO 527 | 5 | % |
| Tensile modulus | ISO 527 | 4000 | MPa |
| Flex modulus | ISO 178 | 3300 | 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 | % |
|----------|---------|-------|---|