

Datasheet

| Anjacom® PA6/6.6 | | Anjacom® PA6/6.6 R196-GF30 reinforced, 30% glass fiber, black 91410 | |
|---|-------------------|---|-----------|
| Technical Data | Norm | Unit | Value |
| Rheological properties | | | |
| MVR Melt volume-flow rate (275°C/5,00kg) | ISO 1133 | cm ³ /10min | |
| Viscosity number | (ISO 307) | cm ³ /g | |
| Molding shrinkage parallel | ISO 294-4 | % | |
| Molding shrinkage transverse | ISO 294-4 | % | |
| Mechanical properties | | | |
| Tensile modulus of elasticity (1mm/min) | ISO 527-1/2 | MPa | 7200 |
| Tensile stress at break (5mm/min) | ISO 527-1/2 | MPa | |
| Elongation at break (5mm/min) | ISO 527-1/2 | % | |
| Charpy impact strength (23°C) | ISO 179/1eU | kJ/m ² | 49 |
| Charpy notched impact strength (23°C) | ISO 179/1eA | kJ/m ² | 5 |
| Thermal properties | | | |
| Melting temperature | Kofler | °C | 240 |
| Heat deflection temperature HDT A (1,8MPa) | ISO 75 | °C | |
| Heat deflection temperature HDT B (0,45MPa) | ISO 75 | °C | |
| Vicat softening temperature (50K/h 50N) | ISO 306 | °C | 210 |
| Flammability UL94-HB (1,6mm) | UL94-HB | OE | HB |
| Yellow card / thickness tested | | OE | |
| Electrical properties | | | |
| Electric strength | IEC 60243 | kV/mm | |
| CTI | IEC 112 | OE | |
| Glow-wire flammability test GWFI (4,0mm) | DIN EN 60695-2-12 | °C | |
| Physical properties | | | |
| Water absorption (23°C/Water) | ISO 62 | % | |
| Humidity absorption (23°C/50%r.h.) | ISO 62 | % | 2,4 |
| Density (23°C) | ISO 1183 | g/cm ³ | 1,360 |
| Filler content | | % | 30 |
| Processing conditions | | | |
| Melt temperature | | °C | 250 - 300 |
| Mold temperature | | °C | 80 - 120 |
| Predrying conditions (temperature/time) | | °C/h | 80/4-10 |
| Predrying to max. humidity | | % | 0,1 |
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