

ALTECH PA66 A 2020/109 GF20

(Last update: 02.09.2022)

MOCOM

| | |
|------------------------|---|
| Base Polymer | Polyamide 66 |
| Filler/Additive System | 20 % glass fibres |
| Colour | black,natural color |
| Special Features | heat stabilised,easy release (demoulding),slip agent |
| Market Segment | Automotive |
| Application Area | various,injection moulded parts,interior decoration / finishing |
| Typical Applications | clips |

Pre-Drying Conditions 80 °C in a dry air (dessiccant) dryer
for 2-12 h
dependant on moisture content
max. moisture content <0,15 %

Processing Injection Moulding melt temperature 280-300 °C
mould temperature 80-120 °C

Storage dry, protected from light

| Properties | dry/cond. | Dimension | Test Norm |
|--|-----------|-----------|-------------|
| Mechanical Properties | | | |
| Flexural Modulus | 6200 / - | MPa | ISO 178 |
| Flexural Strength | 220 / - | MPa | ISO 178 |
| Tensile Modulus | 6800 / - | MPa | ISO 527 |
| Tensile Strength at Break | 140 / - | MPa | ISO 527 |
| Tensile Elongation at Break | 2.7 / - | % | ISO 527 |
| Impact Strength (Charpy, 23°C) | 35 / - | kJ/m² | ISO 179/1eU |
| Notched Impact Strength (Charpy, 23°C) | 6 / - | kJ/m² | ISO 179/1eA |
| Thermal Properties | | | |
| HDT / A (1,8 MPa) | 250 / * | °C | ISO 75-1/-2 |
| DSC (Melt Point) | 263 / * | °C | ISO 11357 |
| Rheological Properties | | | |
| Shrinkage (lengthwise, 24h) | 0.3 - 0.5 | % | ISO 294-4 |
| Shrinkage (lateral, 24h) | 0.9 - 1.1 | % | ISO 294-4 |
| Physical Properties | | | |
| Density | 1290 / - | kg/m³ | ISO 1183 |
| Flammability | | | |
| Flammability (0.75 mm) | HB / * | class | UL 94 |
| Yellow Card available | yes / * | - | - |



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