

ALCOM PA6 900/8 GF10 MR20 SV1285-04MCF

(Last update: 10.10.2024)

MOCOM

| | |
|------------------------|--|
| Base Polymer | Polyamide 6 |
| Filler/Additive System | 30 % glass fibre/mineral |
| Colour | metallic effect |
| Special Features | low warpage,heat stabilised,flow line optimised,low tendency to flow lines |
| Market Segment | Automotive,various |
| Application Area | engine and drive systems |
| Typical Applications | engine cover |

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|-------------------------------|--|
| Pre-Drying Conditions | 80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content |
| Processing Injection Moulding | melt temperature 270-290 °C mould temperature 80-100 °C |
| Storage | dry, protected from light |

| Properties | dry/cond. | Dimension | Test Norm |
|---|-----------|-------------------|-------------|
| Mechanical Properties | | | |
| Flexural Modulus | 6000 / - | MPa | ISO 178 |
| Flexural Strength | 150 / - | MPa | ISO 178 |
| Tensile Modulus | 6400 / - | MPa | ISO 527 |
| Tensile Strength at Break | 90 / - | MPa | ISO 527 |
| Tensile Elongation at Break | 2.6 / - | % | ISO 527 |
| Impact Strength (Charpy, 23°C) | 45 / - | kJ/m ² | ISO 179/1eU |
| Impact Strength (Charpy, -40°C) | 40 / - | kJ/m ² | ISO 179/1eU |
| Notched Impact Strength (Charpy, 23°C) | 5 / - | kJ/m ² | ISO 179/1eA |
| Notched Impact Strength (Charpy, -40°C) | 4 / - | kJ/m ² | ISO 179/1eA |
| Thermal Properties | | | |
| HDT / A (1,8 MPa) | 185 / * | °C | ISO 75-1/-2 |
| DSC (Melt Point) | 220 / * | °C | ISO 11357 |
| Rheological Properties | | | |
| Shrinkage (lengthwise, 24h) | 0.3 - 0.5 | % | ISO 294-4 |
| Shrinkage (lateral, 24h) | 0.4 - 0.6 | % | ISO 294-4 |
| Physical Properties | | | |
| Density | 1440 / - | kg/m ³ | ISO 1183 |

Liability Exclusion

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions.

Any information given on the chemical and physical characteristics of our products, including, without limitation, technical advice on



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