

Technical Data Sheet



ALTECH PP-B A 4920/100 MR20

MOCOM

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| Base Polymer | Polypropylene Heterophasic Copolymer |
| Filler/Additive System | 20 % talcum |
| Colour | black,grey |
| Special Features | heat stabilised,easy release (demoulding),processing stabilised |
| Market Segment | Automotive,building and construction,electrical and electronic |
| Application Area | interior decoration / finishing,gardening tools,exterior parts,electrical components |
| Typical Applications | housings,functional components,fixing elements |

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| Pre-Drying Conditions | in an air circulating dryer 80-120 °C for 2-4 h in a dry air (dessiccant) dryer 80-120 °C for 2-3 h dependant on moisture content max. moisture content <0,10 % |
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| Processing Injection Moulding | melt temperature 200-250 °C mould temperature 20-70 °C |
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| Storage | dry, protected from light |
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| Properties | Value | Dimension | Test Norm |
|--|-----------|------------------------|-------------|
| Mechanical Properties | | | |
| Flexural Modulus | 2100 | MPa | ISO 178 |
| Flexural Stress (3.5% Strain) | 32 | MPa | ISO 178 |
| Tensile Modulus | 1900 | MPa | ISO 527 |
| Tensile Stress at Yield | 22 | MPa | ISO 527 |
| Tensile Elongation at Yield | 4.6 | % | ISO 527 |
| Tensile Elongation at Break | 75 | % | ISO 527 |
| Impact Strength (Charpy, 23°C) | no break | kJ/m ² | ISO 179/1eU |
| Notched Impact Strength (Charpy, 23°C) | 40 | kJ/m ² | ISO 179/1eA |
| Thermal Properties | | | |
| Vicat B50 | 60 | °C | ISO 306 |
| HDT / A (1,8 MPa) | 65 | °C | ISO 75-1/-2 |
| DSC (Melt Point) | 166 | °C | ISO 11357 |
| Rheological Properties | | | |
| Melt Index (MVR) | 2.5 | cm ³ /10min | ISO 1133 |
| MVR temperature | 230 | °C | - |
| MVR load | 2.16 | kg | - |
| Shrinkage (lengthwise, 24h) | 0.6 - 1 | % | ISO 294-4 |
| Shrinkage (lateral, 24h) | 1.3 - 1.7 | % | ISO 294-4 |
| Physical Properties | | | |
| Density | 1040 | kg/m ³ | ISO 1183 |