

Technical Data Sheet



ALTECH PP-B A 4915/500 MR15

MOCOM

| | |
|------------------------|----------------------------------------------------------------------------------------|
| Base Polymer | Polypropylene Heterophasic Copolymer |
| Filler/Additive System | 15 % talcum |
| Colour | natural color |
| Special Features | high heat stabilised, processing stabilised, easy release (demoulding) |
| Market Segment | Automotive, building and construction |
| Application Area | interior decoration / finishing, gardening tools, clothing / fasteners, exterior parts |
| Typical Applications | housings, fixing elements, functional components |

| | |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 % |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| | |
|-------------------------------|-----------------------------------------------------------|
| Processing Injection Moulding | melt temperature 200-250 °C mould temperature 20-70 °C |
|-------------------------------|-----------------------------------------------------------|

| | |
|---------|---------------------------|
| Storage | dry, protected from light |
|---------|---------------------------|

| Properties | Value | Dimension | Test Norm |
|-----------------------------------------|-----------|------------------------|-------------|
| Mechanical Properties | | | |
| Flexural Modulus | 1800 | MPa | ISO 178 |
| Flexural Strength | 34 | MPa | ISO 178 |
| Tensile Modulus | 1900 | MPa | ISO 527 |
| Tensile Strength at Break | 15 | MPa | ISO 527 |
| Tensile Elongation at Break | 50 | % | ISO 527 |
| Impact Strength (Charpy, 23 °C) | no break | kJ/m ² | ISO 179/1eU |
| Notched Impact Strength (Charpy, 23 °C) | 13 | kJ/m ² | ISO 179/1eA |
| Ball Indentation Hardness H132/30 | 60 | MPa | ISO 2039-1 |
| Thermal Properties | | | |
| Vicat B50 | 68 | °C | ISO 306 |
| HDT / A (1,8 MPa) | 60 | °C | ISO 75-1/-2 |
| DSC (Melt Point) | 163 | °C | ISO 11357 |
| Rheological Properties | | | |
| Melt Index (MVR) | 8 | 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 | 1010 | kg/m ³ | ISO 1183 |