

## Technical Data Sheet



### ALTECH PA6 A 4030/516 MR30 IM

## MOCOM

|                        |                                                  |
|------------------------|--------------------------------------------------|
| Base Polymer           | Polyamide 6                                      |
| Filler/Additive System | 30 % mineral                                     |
| Special Features       | various,heat stabilised,injection moulding grade |
| Market Segment         | various                                          |
| Application Area       | various                                          |
| Typical Applications   | various,injection moulded parts                  |

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

| Properties                              | dry/cond. | Dimension         | Test Norm   |
|-----------------------------------------|-----------|-------------------|-------------|
| <b>Mechanical Properties</b>            |           |                   |             |
| Flexural Modulus                        | 4800 / -  | MPa               | ISO 178     |
| Flexural Strength                       | 115 / -   | MPa               | ISO 178     |
| Tensile Modulus                         | 5200 / -  | MPa               | ISO 527     |
| Tensile Strength at Break               | 70 / -    | MPa               | ISO 527     |
| Tensile Elongation at Break             | 4.3 / -   | %                 | ISO 527     |
| Impact Strength (Charpy, 23°C)          | 60 / -    | kJ/m <sup>2</sup> | ISO 179/1eU |
| Impact Strength (Charpy, -40°C)         | 60 / -    | kJ/m <sup>2</sup> | ISO 179/1eU |
| Notched Impact Strength (Charpy, 23°C)  | 3 / -     | kJ/m <sup>2</sup> | ISO 179/1eA |
| Notched Impact Strength (Charpy, -40°C) | 3 / -     | kJ/m <sup>2</sup> | ISO 179/1eA |
| <b>Thermal Properties</b>               |           |                   |             |
| DSC (Melt Point)                        | 220 / *   | °C                | ISO 11357   |
| <b>Physical Properties</b>              |           |                   |             |
| Density                                 | 1370 / -  | kg/m <sup>3</sup> | ISO 1183    |