

**ALPERFORM PA IM NC2595-14**

(Last update: 12.07.2023)

**MOCOM**

|                  |                                       |
|------------------|---------------------------------------|
| Base Polymer     | Polyamide 66                          |
| Special Features | high impact modified, heat stabilised |
| Application Area | cable ties                            |

|                               |  |
|-------------------------------|--|
| Pre-Drying Conditions         | in a dry air (dessiccant) dryer <80 °C<br>for 2-12 h<br>dependant on moisture content<br>max. moisture content <0,15 % |
| Processing Injection Moulding | melt temperature 270-290 °C<br>mould temperature 40-80 °C  |
| Storage                       | dry, protected from light<br>not above 30°C  |
| Minimum Shelf Life            | months <24   |

| Properties                              | Value     | Dimension         | Test Norm   |
|---|-----------|-------------------|-------------|
| <b>Mechanical Properties</b>            |           |                   |             |
| Flexural Modulus                        | 2000      | MPa               | ISO 178     |
| Flexural Strength                       | 80        | MPa               | ISO 178     |
| Tensile Modulus                         | 2100      | MPa               | ISO 527     |
| Tensile Strength                        | 53        | MPa               | ISO 527     |
| Tensile Elongation at Break             | 35        | %                 | ISO 527     |
| Impact Strength (Charpy, 23°C)          | no break  | kJ/m <sup>2</sup> | ISO 179/1eU |
| Impact Strength (Charpy, -40°C)         | no break  | kJ/m <sup>2</sup> | ISO 179/1eU |
| Notched Impact Strength (Charpy, 23°C)  | 65        | kJ/m <sup>2</sup> | ISO 179/1eA |
| Notched Impact Strength (Charpy, -40°C) | 10        | kJ/m <sup>2</sup> | ISO 179/1eA |
| <b>Thermal Properties</b>               |           |                   |             |
| HDT / A (1,8 MPa)                       | 59        | °C                | ISO 75-1/-2 |
| DSC (Melt Point)                        | 260       | °C                | ISO 11357   |
| <b>Rheological Properties</b>           |           |                   |             |
| Shrinkage (lengthwise, 24h)             | 1 - 1.4   | %                 | ISO 294-4   |
| Shrinkage (lateral, 24h)                | 1.3 - 1.7 | %                 | ISO 294-4   |
| <b>Physical Properties</b>              |           |                   |             |
| Density                                 | 1090      | kg/m <sup>3</sup> | 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.

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