

Technical Data Sheet



**ALPERFORM PA IM NC2595-14**

|                  |                                      |
|------------------|--------------------------------------|
| 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    |