

Product Texts**DESCRIPTION**

Elastollan 785 A HPM is a polyester based TPU

SPECIAL PROPERTIES

excellant mechanical properties and chemical resistance,
outstanding wear resistance, high tear and tensile strength,
good damping characteristic and resilience performance
Processesable by extrusion.

TYPICAL APPLICATIONS

cable sheathing

OTHER HINTS

predrying: 3h at 90 - 110°C (air circulating oven)
or 75 - 85°C (dehumidified air dryer),
max. content of humidity before processing: 0,02%
annealing: 20 h at 100°C in order to get optimum properties

CHEMICAL RESISTANCE

For detailed information on the chemical resistance of our materials refer to this [list of chemical resistance](#)

| Mechanical properties | Value | Unit | Test Standard |
|---|----------------|-----------------|----------------------|
| ISO Data | | | |
| ^[C] Stress at 100% elongation | 6 | MPa | ISO 527 |
| ^[C] Stress at 300% elongation | 11 | MPa | ISO 527 |
| ^[C] Stress at break TPE | 45 | MPa | ISO 527 |
| ^[C] Strain at break TPE | >300 | % | ISO 527 |
| ^[C] Compression set at 23 °C, 24h | 20 | % | ISO 815 |
| ^[C] Compression set at 70 °C, 24h | 30 | % | ISO 815 |
| ^[C] Compression set at 100 °C, 24h | 45 | % | ISO 815 |
| ^[C] Tear strength | 70 | kN/m | ISO 34-1 |
| ^[C] Abrasion resistance | 40 | mm ³ | ISO 4649 |
| ^[C] Shore A hardness | 85 | - | ISO 7619-1 |

[C]: CAMPUS

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| ^[C] Density | 1180 | kg/m ³ | ISO 1183 |

[C]: CAMPUS

Characteristics**Regional Availability**

North America, Europe, Asia Pacific, South and Central America,
Near East/Africa