

**Product Texts****DESCRIPTION**

Elastollan 1185 AM is a polyether based TPU for matt surfaces

**SPECIAL PROPERTIES**

excellent resistance to hydrolysis and good flexibility at low temperature,  
resistance to microbiological attack, good wear performance,  
high tensile strength, good damping behavior

**TYPICAL APPLICATIONS**

cable sheathing

**OTHER HINTS**

predrying: 2-3h at 100-110°C (air circulating oven) or  
80-90°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](#)

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
[C] Stress at 100% elongation	<b>7</b>	MPa	ISO 527
[C] Stress at 300% elongation	<b>12</b>	MPa	ISO 527
[C] Stress at break TPE	<b>45</b>	MPa	ISO 527
[C] Strain at break TPE	<b>&gt;300</b>	%	ISO 527
[C] Compression set at 23 °C, 24h	<b>35</b>	%	ISO 815
[C] Compression set at 70 °C, 24h	<b>45</b>	%	ISO 815
[C] Tear strength	<b>60</b>	kN/m	ISO 34-1
[C] Abrasion resistance	<b>45</b>	mm <sup>3</sup>	ISO 4649
[C] Shore A hardness	<b>88</b>	-	ISO 7619-1
[C] Shore D hardness	<b>39</b>	-	ISO 7619-1

[C]: CAMPUS

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
[C] Density	<b>1110</b>	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics****Processing**

Profile Extrusion

**Regional Availability**

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