

**Product Texts****DESCRIPTION**

Elastollan 1185 AWM is a polyether based TPU with plasticiser 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>			
<sup>[C]</sup> Stress at 100% elongation	<b>7</b>	MPa	ISO 527
<sup>[C]</sup> Stress at 300% elongation	<b>13</b>	MPa	ISO 527
<sup>[C]</sup> Stress at break TPE	<b>45</b>	MPa	ISO 527
<sup>[C]</sup> Strain at break TPE	<b>&gt;300</b>	%	ISO 527
<sup>[C]</sup> Compression set at 23 °C, 24h	<b>20</b>	%	ISO 815
<sup>[C]</sup> Compression set at 70 °C, 24h	<b>35</b>	%	ISO 815
<sup>[C]</sup> Tear strength	<b>55</b>	kN/m	ISO 34-1
<sup>[C]</sup> Abrasion resistance	<b>40</b>	mm <sup>3</sup>	ISO 4649
<sup>[C]</sup> Shore A hardness	<b>87</b>	-	ISO 7619-1
<sup>[C]</sup> 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>
<sup>[C]</sup> Density	<b>1150</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