

**Product Texts****DESCRIPTION**

Elastollan 1264 DU is a polyether based TPU

**SPECIAL PROPERTIES**

transparent, outstanding hydrolysis resistance, low temperature flexibility and high resistance to micro-organisms  
Processable by injection moulding.

**TYPICAL APPLICATIONS**

ski boots

**OTHER HINTS**

predrying: 3h at 90 - 110°C in dehumidified air dryer.  
Additives have to be dried together with granulate.  
max. content of humidity before processing: 0,02%  
annealing: 20h 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>25</b>	MPa	ISO 527
<sup>[C]</sup> Stress at 300% elongation	<b>35</b>	MPa	ISO 527
<sup>[C]</sup> Stress at break TPE	<b>50</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>48</b>	%	ISO 815
<sup>[C]</sup> Compression set at 70 °C, 24h	<b>48</b>	%	ISO 815
<sup>[C]</sup> Tear strength	<b>170</b>	kN/m	ISO 34-1
<sup>[C]</sup> Abrasion resistance	<b>40</b>	mm <sup>3</sup>	ISO 4649
<sup>[C]</sup> Shore D hardness	<b>64</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>1200</b>	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics****Processing**

Injection Molding

**Regional Availability**

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

**Other text information****Injection molding**

Barrel temperature : 210 - 225 °C  
Melt temperature : 225 °C  
Mold temperature: 40 - 60 °C