

Product Texts**DESCRIPTION**

Elastollan 1254 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](#)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Stress at 100% elongation	23	MPa	ISO 527
^[C] Stress at 300% elongation	35	MPa	ISO 527
^[C] Stress at break TPE	60	MPa	ISO 527
^[C] Strain at break TPE	>300	%	ISO 527
^[C] Compression set at 23 °C, 24h	42	%	ISO 815
^[C] Compression set at 70 °C, 24h	54	%	ISO 815
^[C] Tear strength	165	kN/m	ISO 34-1
^[C] Abrasion resistance	30	mm ³	ISO 4649
^[C] Shore D hardness	57	-	ISO 7619-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1170	kg/m ³	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