

Product Texts**DESCRIPTION**

Elastollan soft 45 AP is a polyester based TPU

SPECIAL PROPERTIES

excellent mechanical properties and wear resistance, good damping characteristics and a high resilience performance, plasticized
Processable by injection moulding

TYPICAL APPLICATIONS

shoe application

OTHER HINTS

predrying: 3h at 75°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 break TPE	34	MPa	ISO 527
^[C] Strain at break TPE	>300	%	ISO 527
^[C] Tear strength	42	kN/m	ISO 34-1
^[C] Abrasion resistance	39	mm ³	ISO 4649
^[C] Shore A hardness	50	-	ISO 7619-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1180	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 : 180 - 200 °C

Melt temperature : 190 °C

Mold temperature: 25 - 45 °C