

Product Texts

DESCRIPTION

Elastollan 560 D is a polyester based TPU

SPECIAL PROPERTIES

good abrasion resistance

TYPICAL APPLICATIONS

heel taps, roller tyres for conveyor systems and shopping trolleys

OTHER HINTS

predrying: 2-3h at 90-110°C

(air circulating oven or 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 50% strain	20	MPa	ISO 527
^[C] Strain at break	>50	%	ISO 527
^[C] Stress at 100% elongation	20	MPa	ISO 527
^[C] Stress at 300% elongation	29	MPa	ISO 527
^[C] Stress at break TPE	45	MPa	ISO 527
^[C] Strain at break TPE	>300	%	ISO 527
^[C] Tear strength	180	kN/m	ISO 34-1
^[C] Abrasion resistance	25	mm ³	ISO 4649
^[C] Shore D hardness	59	-	ISO 7619-1

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Glass transition temperature, 10°C/min	-6	°C	ISO 11357-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Comparative tracking index	600	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1280	kg/m ³	ISO 1183

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
ISO Data			
^[C] Injection Molding, melt temperature	230	°C	ISO 294
Injection Molding, mold temperature	60	°C	ISO 294

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Regional Availability

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

Other text information

Injection molding

Barrel temperature : 215 - 225 °C

Melt temperature : 225 °C

Mold temperature: 25 - 40 °C