

Product Texts

DESCRIPTION

Elastollan SP 806 is a polyether based TPU

SPECIAL PROPERTIES

good wear performance, good damping behavior and rebound elasticity,
high tensile strength, good resistance to tear propagation

TYPICAL APPLICATIONS

opaque films

OTHER HINTS

predrying: 2-3h at 100-110°C (air circulating oven)
or 85 °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] Charpy notched impact strength, +23°C	N	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	N	kJ/m ²	ISO 179/1eA
^[C] Stress at 100% elongation	6	MPa	ISO 527
^[C] Stress at break TPE	45	MPa	ISO 527
^[C] Strain at break TPE	>300	%	ISO 527
^[C] Compression set at 23 °C, 24h	26	%	ISO 815
^[C] Compression set at 70 °C, 24h	43	%	ISO 815
^[C] Tear strength	60	kN/m	ISO 34-1
^[C] Abrasion resistance	30	mm ³	ISO 4649
^[C] Shore A hardness	87	-	ISO 7619-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1120	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Profile Extrusion

Regional Availability

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