

Product Texts

DESCRIPTION

Elastollan C 85 A HPM is a polyester based TPU

SPECIAL PROPERTIES

high tensile strength, excellent tear strength,
very good damping behavior, good rebound elasticity,
very good wear performance, good flexibility at low temperature and
resistance to hydrolysis, improved heat distortion temperature

TYPICAL APPLICATIONS

technical parts

OTHER HINTS

predrying: 2-3h at ca. 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] Stress at 100% elongation	6	MPa	ISO 527
^[C] Stress at 300% elongation	11	MPa	ISO 527
^[C] Stress at break TPE	50	MPa	ISO 527
^[C] Strain at break TPE	>300	%	ISO 527
^[C] Compression set at 23 °C, 24h	15	%	ISO 815
^[C] Compression set at 70 °C, 24h	25	%	ISO 815
^[C] Tear strength	70	kN/m	ISO 34-1
^[C] Abrasion resistance	35	mm ³	ISO 4649
^[C] Shore A hardness	85	-	ISO 7619-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1230	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding, Profile Extrusion

Regional Availability

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