

**Product Texts**

## DESCRIPTION

Elastollan 890 A FC is a polyester based TPU

## SPECIAL PROPERTIES

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

## TYPICAL APPLICATIONS

transparent films

## OTHER HINTS

predrying: 2-3h at 100-110°C (air circulating oven)  
or 90 °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](#)

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Charpy notched impact strength, +23°C	<b>N</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	<b>200</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Stress at 100% elongation	<b>10</b>	MPa	ISO 527
<sup>[C]</sup> Stress at break TPE	<b>50</b>	MPa	ISO 527
<sup>[C]</sup> Strain at break TPE	<b>&gt;300</b>	%	ISO 527
<sup>[C]</sup> Compression set at 23 °C, 24h	<b>32</b>	%	ISO 815
<sup>[C]</sup> Compression set at 70 °C, 24h	<b>43</b>	%	ISO 815
<sup>[C]</sup> Tear strength	<b>120</b>	kN/m	ISO 34-1
<sup>[C]</sup> Abrasion resistance	<b>45</b>	mm <sup>3</sup>	ISO 4649
<sup>[C]</sup> Shore A hardness	<b>94</b>	-	ISO 7619-1

[C]: CAMPUS

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<sup>[C]</sup> Density	<b>1220</b>	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics****Processing**

Film Extrusion, Profile Extrusion

**Regional Availability**

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