

**Product Texts**

Polycaprolactone copolyester-based TPU.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Strength	<b>40</b>	MPa	ISO 527
Stress at 50% strain	<b>4</b>	MPa	ISO 527
Stress at 100% elongation	<b>5</b>	MPa	ISO 527
Stress at 300% elongation	<b>8</b>	MPa	ISO 527
Strain at break TPE	<b>630</b>	%	ISO 527
Tear strength	<b>80</b>	kN/m	ISO 34-1
Abrasion resistance	<b>20</b>	mm <sup>3</sup>	ISO 4649
Shore A hardness	<b>82</b>	-	ISO 7619-1

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Vicat softening temperature, A	<b>77</b>	°C	ISO 306

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1160</b>	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>100</b>	°C	-
Pre-drying - Time	<b>3</b>	h	-
Feed temperature	<b>40</b>	°C	-
Zone 1	<b>180 - 210</b>	°C	-
Zone 2	<b>185 - 215</b>	°C	-
Zone 3	<b>190 - 220</b>	°C	-
Zone 4	<b>185 - 215</b>	°C	-
Nozzle temperature	<b>185 - 215</b>	°C	-

**Characteristics**

**Processing**

Injection Molding

**Features**

Copolymer

**Special Characteristics**

Transparent

**Regional Availability**

North America, Europe