

**Product Texts**

Polycaprolactone copolyester-based Aliphatic TPU

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Strength	<b>25.3</b>	MPa	ISO 527
Stress at 100% elongation	<b>4.3</b>	MPa	ISO 527
Stress at 300% elongation	<b>7.5</b>	MPa	ISO 527
Strain at break TPE	<b>800</b>	%	ISO 527
Tear strength	<b>80</b>	kN/m	ISO 34-1
Abrasion resistance	<b>30</b>	mm <sup>3</sup>	ISO 4649
Shore A hardness	<b>81</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>60</b>	°C	ISO 306

<b>Optical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Haze	<b>23</b>	%	ASTM D 1003

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1110</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>80 - 90</b>	°C	-
Pre-drying - Time	<b>2</b>	h	-
Mold temperature	<b>35</b>	°C	-
Feed temperature	<b>175</b>	°C	-
Zone 1	<b>180</b>	°C	-
Zone 2	<b>185</b>	°C	-
Nozzle temperature	<b>190</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

U.V. stabilized or stable to weather, Translucent

**Features**

Color Stability

**Regional Availability**

North America, Europe