

Product Texts

Polycaprolactone copolyester-based TPU.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	49	MPa	ISO 527
Stress at 100% elongation	11	MPa	ISO 527
Stress at 300% elongation	21.5	MPa	ISO 527
Strain at break TPE	511	%	ISO 527
Compression set at 70 °C, 24h	23	%	ISO 815
Tear strength	174^[1]	kN/m	ISO 34-1
Abrasion resistance	29	mm ³	ISO 4649
Shore A hardness	94	-	ISO 7619-1
Shore D hardness	45	-	ISO 7619-1
ASTM Data			
Compression Set , 22 hr @ 158 °F	19	%	ASTM D 395

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Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	138	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	1180	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	2	h	-
Processing humidity	≤0.02	%	-
Feed temperature	40	°C	-
Zone 1	195	°C	-
Zone 2	200	°C	-
Zone 3	200	°C	-
Zone 4	205	°C	-
Nozzle temperature	205	°C	-

Characteristics

Processing

Injection Molding

Features

Copolymer

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

North America, Europe