

Type : Pearlthane® 11T95P is an aromatic polycaprolactone copolyester-based thermoplastic polyurethane.

Main Application : Injection Moulding

Special Features : Combining hardness with excellent mechanical properties.

Physical Properties*	Value (Metric)	Unit	Test Method
Hardness	A/1 : 95 - D/1 : 49	Shore A/D	ISO 868
Specific Gravity	1.19	g/cm ³	ISO 2781
Tensile Strength	40	MPa	ISO 527-2/5A/500
Ultimate Elongation	515	%	ISO 527-2/5A/500
Tensile Stress at 50 % Elongation		MPa	ISO 527-2/5A/500
100 % Elongation	12	MPa	ISO 527-2/5A/500
300 % Elongation	25	MPa	ISO 527-2/5A/500
Tear Strength Unnicked	155	kN/m	ISO 34-1B
Abrasion Resistance	20	mm ³	ISO 4649-A
Vicat Softening Point		°C	ISO 306 (A50)

See reverse side for processing information.

*Based on moulded plaques.

Listed values are "typical (average) values" and should/can not be applied for specification purposes.

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Material Preparation

Prior to processing, Pearlthane® 11T95P must be dried at 100°C during 3 hours. It is recommended to dry the material in a dehumidifying type dryer. Target dew point to be below -30°C, preferably -40°C.

Recommended Injection Moulding Temperature Profile:

	°C
Feed zone	40
Zone 1	195
Zone 2	200
Zone 3	210
Zone 4	210
Nozzle	210

For further information refer to Lubrizol Advanced Materials processing guides.

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