

Technical Data Sheet

Type: Pearlthane™ 11T98 is an aromatic polycaprolactone copolyester-based thermoplastic polyurethane.

Main application: Extrusion/Moulding

Uses:

Physical Properties	Value (Metric)	Unit	Test Method
Hardness	A/1: 98 – D/1: 52	Shore A/D	ISO 868
Specific Gravity	1.18	g/cm ³	ISO 2781
Tensile Strength	40	MPa	ISO 527-2/5A/500
Ultimate Elongation	470	%	ISO 527-2/5A/500
Tensile Stress at:			
- 50 % Elongation	-	MPa	ISO 527-2/5A/500
- 100 % Elongation	16	MPa	ISO 527-2/5A/500
- 300 % Elongation	29	MPa	ISO 527-2/5A/500
Tear Strength nicked	175	kN/m	ISO 34-1B
Abrasion Resistance	25	mm ³	ISO 4649-A
Vicat Softening Point	116	°C	ISO 306 (A50)

See reverse side for processing information

* Based on extruded strips

Listed values are “typical (average) values” and should /cannot be applied for specification purposes

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Material Preparation

Prior to processing, **Pearlthane™ 11T98** be dried at **100°C** for 3-4 hours.
It is recommended to dry the material in a dehumidifying type dryer.
Target dew point should be **-40°C**.

Recommended Starting EXTRUSION Temperature Profile:

	°C
Hopper cooling	Yes
Zone 1	200
Zone 2	210
Zone 3	215
Zone 4	220
Adapter (5)	220
Die (6)	220
Die TIP (7)	220

For further information refer to Lubrizol Advanced Materials processing guides.

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