

PROVISIONAL TECHNICAL DATA SHEET

http://go.lubrizol.com/EP

Technical Data Sheet

Type: Aliphatic polycaprolactone based Thermoplastic Polyurethane (TPU) with a 90 Shore A Hardness.

Features: Clear resin with excellent colour stability upon UV exposure.

Uses: Cast film extrusion, profile extrusion.

Physical Properties	Value (Metric)	Unit	Test Method
Hardness (3 sec)	A/3: 90	Shore A	ISO 868
Specific Gravity	1.13	g/cm ³	ISO 2781
Tensile Strength	40-45	MPa	ISO 527-2
Ultimate Elongation	500-550	%	ISO 527-2
Tensile Stress at:			ISO 527-2
- 100 % Elongation	7-9	MPa	ISO 527-2
- 300 % Elongation	18-21	MPa	ISO 527-2
Abrassion Loss	35	mm³	ISO 4649
Moisture Content	< 0.1	%	MQSA 44

[·] Based on extruded films

Supply Form and Standard Packaging

• ESTANE® 91F88 EXP is supplied in pellet form and packaged in 25 kg (x lb) bags or 700-800 kg boxes (x-y lbs).

Material Preparation

- Prior to processing, **ESTANE® 91F88 EXP** must be dried at 60°C for 4 hours.
- It is recommended to dry the material in a vacuum or dehumidifying type dryer. Target dew point should be -40°C.
- Depending on the applied processing technique, the maximum moisture level should be 0.02%.

Material Preparation

• ESTANE® 91F88 EXP can be processed on any conventional extruder:

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[•] Prior to testing samples were conditioned at 23°C for 24 hours



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Recommended EXTRUSION Temperature Profile:

	°C
Zone 1	165-175
Zone 2	175-185
Zone 3	175-185
Zone 4	185-195
Adapter (5)	185-195
Die Zone 1 (6)	190-200
Die Zone 2	190-200

For further information refer to Lubrizol Advanced Materials processing guides.

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