

Technical Data Sheet
Type: ESTANE® 58125 NAT 055 is an aromatic polyether-based thermoplastic polyurethane

Main Application: Extrusion/Moulding

Uses:

Physical Properties *	Value (Metric)	Unit	Test Method
Hardness	A/1: 77	Shore A/D	ISO 868
Specific Gravity	1.07	g/cm ³	ISO 2781
Tensile Strength	22	MPa	ISO 527-2/5A/500
Ultimate Elongation	775	%	ISO 527-2/5A/500
Tensile Stress at:			
- 50 % Elongation	3	MPa	ISO 527-2/5A/500
- 100 % Elongation	4	MPa	ISO 527-2/5A/500
- 300 % Elongation	6	MPa	ISO 527-2/5A/500
Tear Strength nicked	30	kN/m	ISO 34-1B
Abrasion Resistance	30	mm ³	ISO 4649-A
Vicat Softening Point	66	°C	Iso 306 (A50)

See reverse side for processing information

* Based on extruded strips

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

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Material Preparation

Prior to processing, **ESTANE® 58125 NAT 055** must be dried at **80°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	190
Zone 2	195
Zone 3	200
Zone 4	200
Adapter (5)	200
Die (6)	200
Die TIP (7)	195

For further information refer to Lubrizol Advanced Materials processing guides.

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