

**Technical Data Sheet**
**Type:** ESTANE® TS 92AP7 NAT 055 is an aromatic thermoplastic polyurethane.

**Main Application:** Extrusion

Physical Properties	Value (Metric)	Unit	Test Method
Hardness	A/1: 93	Shore A/D	ISO 868
Specific Gravity	1.20	g/cm <sup>3</sup>	ISO 2781
Tensile Strength	60	MPa	ISO 527-2/5A/500
Ultimate Elongation	375	%	ISO 527-2/5A/500
Tensile Stress at:			
- 50 % Elongation	14	MPa	ISO 527-2/5A/500
- 100 % Elongation	18	MPa	ISO 527-2/5A/500
- 300 % Elongation	44	MPa	ISO 527-2/5A/500
Tear Strength nicked	103	kN/m	ISO 34-1B
Abrasion Resistance	28	mm <sup>3</sup>	ISO 4649-A
Vicat Softening Point	102	°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<sup>®</sup> TS 92AP7 NAT 055** must 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
<b>Hopper cooling</b>	<b>Yes</b>
<b>Zone 1</b>	<b>200</b>
<b>Zone 2</b>	<b>205</b>
<b>Zone 3</b>	<b>210</b>
<b>Zone 4</b>	<b>210</b>
<b>Adapter (5)</b>	<b>210</b>
<b>Die (6)</b>	<b>205</b>
<b>Die TIP (7)</b>	<b>200</b>

**For further information refer to Lubrizol Advanced Materials processing guides.**

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