

Technical Data Sheet

Type: ESTANE® SKN 98C1 KR is a 98 shore A polyester-type thermoplastic polyurethane (TPU)

Features: High transparency with Excellent UV resistance, and low blooming performance

Uses: Injection molding

Physical Properties	Value (Metric)	Unit	Test Method
Hardness (5 sec)	98 +/-3	Shore A	ASTM D-2240
Specific Gravity	1.23	-	ASTM D-792
Tensile Strength	43	Mpa	ASTM D-412
Ultimate Elongation	530	%	ASTM D-412
Tensile Stress at:			
- 100 % Elongation	15	Mpa	ASTM D-412
- 300 % Elongation	26	Mpa	ASTM D-412
Tear Strength			
Graves	180	kgf/cm	ASTM D-624 (die C)

Remark:

- Based on 2mm injection part.
- Prior to testing samples were conditioned at 23°C for 48 hours.
- Listed values are "typical (average) values" and should/cannot be applied for specification purposes.

Supply Form and Standard Packaging

- ESTANE® SKN 98C1 KR is supplied in pellet form and packaged in 25 kgs bag.

Material Preparation

- Prior to processing, ESTANE® SKN 98C1 KR must be dried at 100-105°C for 2-4 hours.
- It is recommended to dry the material in a desiccant 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® SKN 98C1 KR can be processed on any conventional injection machine.

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Recommended Starting Injection Temperature Profile:

	°C
Feed Zone 1	205
Zone 2	210
Zone 3	210
Nozzle	215

Fill rate: Moderate**Injection speed: Moderate****For further information refer to Lubrizol Advanced Materials processing guides.**

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