

Preliminary Technical Data Sheet

Type: Estane® SKN 95C5 is 96A Polyester-Type Thermoplastic Polyurethane(TPU)

Features: High transparency; Good UV resistance

Uses: Injection molding, used for jelly case application

Physical Properties	Value (Metric)	Unit	Test Method
Hardness (5 sec)	96+/- 3	Shore A	ISO 868
Specific Gravity	1.22	g/cm3	ISO 2781
Tensile Strength	38	MPa	ISO 527
Ultimate Elongation	525	%	ISO 527
Tensile Stress at:			
- 100 % Elongation	11	MPa	ISO 527
- 300 % Elongation	21	MPa	ISO 527
Tear Strength			
Unicked	141	KN/m	ISO 34-1B

Remark

1. Prior to testing, Sample were conditioned at 23^oC, 50% humidity for 24 hours
2. Physical property test is based on 2mm injected plaque
3. Please be aware that the listed data is a "typical data" which should / cannot be applied for specification purpose

Supply Form and Standard Packaging

- Estane® SKN 95C5 is supplied in pellet form and packaged in 25kg bags.

Material Preparation

- Prior to processing, Estane® SKN 95C5 must be dried at 100C 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 95C5 can be processed on any conventional injection machine.

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Recommended Starting INJECTION MOLDING Temperature Profile:

	°C
Feed Zone 1	200
Zone 2	205
Zone 3	210
Nozzle	215

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

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