

Technical Data Sheet

Type: Pearlcoat[™] 162K is an aromatic polyester-based thermoplastic polyurethane.

Main application: meltcoating

Special features: soft TPU combining excellent low temperature flexibility and superior hydrolysis resistance

Physical Properties*	Value (Metric)**	Unit	Test Method
Hardness	A/1: 80	Shore A	ISO 868
Specific Gravity	1.11	g/cm ³	ISO 2781
Tensile Strength	30	MPa	ISO 527-2/5A/500
Ultimate Elongation	550	%	ISO 527-2/5A/500
Tensile Stress at:			
- 50 % Elongation	4	MPa	ISO 527-2/5A/500
- 100 % Elongation	5	MPa	ISO 527-2/5A/500
- 300 % Elongation	10	MPa	ISO 527-2/5A/500
Tear Strength unnicked	68	kN/m	ISO 34-1B
Abrasion Resistance	25	mm ³	ISO 4649-A
Vicat Softening Point	-	°C	ISO 306 (A50)

^{*} Based on 1 mm thick extruded strips

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^{**} Listed values are "typical (average) values" and should /cannot be applied for specification purposes



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Owner: KREV

Material Preparation

Prior to processing, Pearlcoat™ 162K must be dried at 80°C for 4 hours. It is recommended to dry the material in a dehumidifying type dryer. Target dew point should be -40°C.

Recommended Starting Temperature Profile:

	°C
Roll 1	40
Roll 2	185
Rubber Roll 3	Not heated

For further information refer to Lubrizol Advanced Materials processing guides.

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