

Technical Data Sheet

Type: Pearlcoat™ 163K is an aromatic polyether-based thermoplastic polyurethane.

Main application: Meltcoating

Uses:

Physical Properties	Value (Metric)	Unit	Test Method
Hardness	A/1: 85	Shore A/D	ISO 868
Specific Gravity	1.12	g/cm ³	ISO 2781
Tensile Strength	30	MPa	ISO 527-2/5A/500
Ultimate Elongation	440	%	ISO 527-2/5A/500
Tensile Stress at:			
- 50 % Elongation	5	MPa	ISO 527-2/5A/500
- 100 % Elongation	6	MPa	ISO 527-2/5A/500
- 300 % Elongation	10	MPa	ISO 527-2/5A/500
Tear Strength nicked	75	kN/m	ISO 34-1B
Abrasion Resistance	25	mm ³	ISO 4649-A
Vicat Softening Point	-	°C	ISO 306 (A50)

See reverse side for processing information

* Based on extruded strips

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

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Material Preparation

Prior to processing, **Pearlcoat™ 163K** be dried at **90°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 MELTCOATING Temperature Profile:

	°C
Roll 1	160
Roll 2	170
Rubber Roll 3	Not heated

For further information refer to Lubrizol Advanced Materials processing guides.

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