

Technical Data Sheet

Type: Pearlcoat® 127K is an aromatic polyester-based thermoplastic polyurethane.

Main Application: Meltcoating

Special Features: Combining hardness with excellent low temperature flexibility and medium softening point.

SAP-code: VMN010NN

Physical Properties	Value (Metric)	Unit	Test Method
Hardness	A/1 : 92	Shore A/D	ISO 868
Specific Gravity	1.20	g/cm ³	ISO 2781
Tensile Strength	30	MPa	ISO 527-2/5A/500
Ultimate Elongation	430	%	ISO 527-2/5A/500
Tensile Stress at			
50 % Elongation	8	MPa	ISO 527-2/5A/500
100 % Elongation	8	MPa	ISO 527-2/5A/500
300 % Elongation	16	MPa	ISO 527-2/5A/500
Tear Strength Unnicked	93	kN/m	ISO 34-1B
Abrasion Resistance	30	mm ³	ISO 4649-A

Listed values are "typical (average) values" and should/can not be applied for specification purposes

See reverse side for processing information

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Material Preparation

Prior to processing, Pearlcoat® 127K must be dried at 90°C during 3 hours. It is recommended to dry the material in a dehumidifying-type dryer. Target dew point to be below -30°C, preferably -40°C.

Recommended 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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