

## Technical Data Sheet

**Type:** Pearlcoat® 125K is an aromatic polyester-based thermoplastic polyurethane.

**Main Application:** Meltcoating

**Special Features:** Medium softening point, consistent quality pellets, low gel content and low temperature flexibility.

**SAP-code:**VMB010NN

Physical Properties	Value (Metric)	Unit	Test Method
Hardness	A/1 : 85	Shore A/D	ISO 868
Specific Gravity	1.20	g/cm <sup>3</sup>	ISO 2781
Tensile Strength	30	MPa	ISO 527-2/5A/500
Ultimate Elongation	5500	%	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	9	MPa	ISO 527-2/5A/500
Tear Strength Unnicked	76	kN/m	ISO 34-1B
Abrasion Resistance	25	mm <sup>3</sup>	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® 125K 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	150
Roll 2	160
Rubber Roll 3	not heated

For further information refer to Lubrizol Advanced Materials processing guides.

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