

**Technical Data Sheet**

**Type:** Pearlcoat® 168K is an aromatic polyether-based thermoplastic polyurethane.

**Main application:** Extrusion

**Uses:**

Physical Properties	Value (Metric)	Unit	Test Method
Hardness	A/1: 82	Shore A/D	ISO 868
Specific Gravity	1.11	g/cm <sup>3</sup>	ISO 2781
Tensile Strength	25	MPa	ISO 527-2/5A/500
Ultimate Elongation	650	%	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	7	MPa	ISO 527-2/5A/500
Tear Strength nicked	75	kN/m	ISO 34-1B
Abrasion Resistance	25	mm <sup>3</sup>	ISO 4649-A
Vicat Softening Point	68	°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® 168K** 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 EXTRUSION Temperature Profile:

	°C
Hopper cooling	Yes
Zone 1	160
Zone 2	170
Zone 3	180
Zone 4	185
Adapter (5)	185
Die (6)	185
Die TIP (7)	185

For further information refer to Lubrizol Advanced Materials processing guides.

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