

Technical Data Sheet

Type: Pearlcoat™ ACTIVA 118K is a copolyester-based thermoplastic polyurethane.

Main application: Extrusion

Special features: Inherent “low gloss aspect” on the final product surface after extrusion processing.

Physical Properties	Value (Metric)	Unit	Test Method
Hardness	A/1: 70	Shore A/D	ISO 868
Specific Gravity	1.05	g/cm ³	ISO 2781
Tensile Strength	30	MPa	ISO 527-2/5A/500
Ultimate Elongation	615	%	ISO 527-2/5A/500
Tensile Stress at:			
- 50 % Elongation	2	MPa	ISO 527-2/5A/500
- 100 % Elongation	3	MPa	ISO 527-2/5A/500
- 300 % Elongation	6	MPa	ISO 527-2/5A/500
Tear Strength unnicked	45	kN/m	ISO 34-1B
Abrasion Resistance	30	mm ³	ISO 4649-A
Vicat Softening Point	53	°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™ ACTIVA 118K** 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	175
Zone 2	180
Zone 3	185
Zone 4	175
Adapter (5)	175
Die (6)	175
Die TIP (7)	175

For further information refer to Lubrizol Advanced Materials processing guides.

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