

Technical Data Sheet

Type: Pearlcoat® ACTIVA D118K 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		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	0	°C	ISO 306 (A50)

*Based on extruded strips.

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® ACTIVA D118K 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 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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