

Technical Data Sheet

Type: Pearlcoat® Activa D198K is an aliphatic-based thermoplastic polyurethane.

Main Application: Extrusion/Molding

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	1.10	g/cm ³	ISO 2781
Tensile Strength	25	MPa	ISO 527-2/5A/500
Ultimate Elongation	455	%	ISO 527-2/5A/500
Tensile Stress at			
50 % Elongation	4	MPa	ISO 527-2/5A/500
100 % Elongation	6	MPa	ISO 527-2/5A/500
300 % Elongation	13	MPa	ISO 527-2/5A/500
Tear Strength Unnicked	55	kN/m	ISO 34-1B
Abrasion Resistance	30	mm ³	ISO 4649-A
Vicat Softening Point	46	°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 D198K 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	185-205
Zone 2	190-210
Zone 3	195-215
Zone 4	190-210
Adapter 5	190-210
Die (6)	185-205
Die TIP (7)	185-205

For further information refer to Lubrizol Advanced Materials processing guides.

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