

Technical Data Sheet

Type: ESTANE® ZHF 85AT8 MATT 02 is a non-halogen, flame retardant, aromatic polyether-based thermoplastic polyurethane.

Main Application: Extrusion

Uses:

Physical Properties*	Value (Metric)**	Unit	Test Method
Hardness	A/1: 83	Shore A/D	ISO 868
Specific Gravity	1.15	g/cm ³	ISO 2781
Tensile Strength	49	MPa	VDE282 part 10
Ultimate Elongation	525	%	VDE282 part 10
Tensile Stress at:			
100 % Elongation	5	MPa	VDE282 part 10
300 % Elongation	11	MPa	VDE282 part 10
Tear Strength nicked	46	kN/m	ISO 34-1B
Abrasion Resistance	40	mm ³	ISO 4649-A
Vicat Softening Point	79	°C	ISO 306 (A50)
Application specific properties	Value (Metric)	Unit	Test Method
UL Flame Rating	V2 – 2.0 mm	-	UL 94
LOI	26	%	ASTM D2863

**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, **ESTANE® ZHF 85AT8 MATT 02** must be dried at **80°C** for 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	200
Zone 2	200
Zone 3	195
Zone 4	185
Adapter (5)	175
Die (6)	165
Die TIP (7)	160

**For further information refer to Lubrizol Advanced Materials processing guides.*

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