

## Technical Data Sheet

**Type:** Pearlstick™ 5708 F4 is an aromatic polyester-based thermoplastic polyurethane.

**Main Application:** Solution coating.

Physical Properties*	Value (Metric)	Unit	Test Method
Hardness	A/1 : 86	Shore A/D	ISO 868
Specific Gravity	1.20	g/cm <sup>3</sup>	ISO 2781
Tensile Strength	58	MPa	ISO 527-2/5A/200
Ultimate Elongation	500	%	ISO 527-2/5A/200
Tensile Stress at 50% Elongation	5	MPa	ISO 527-2/5A/200
100% Elongation	6	MPa	ISO 527-2/5A/200
300% Elongation	22	MPa	ISO 527-2/5A/200
Tear Strength Unnicked	120	kN/m	ISO 34-1B
Kofler Melting Point	133	°C	Lubrizol

Solubility		Solution Viscosity Specification Values 15% Total Solids in DMF	
Methylethylketone (MEK)	Swelling	Brookfield RVTD viscosimeter • Spindle n <sup>o</sup> 2 • 20 rpm • 23° C	700 – 1000 mPa.s
Dimethylformamide (DMF)	Soluble		
Tetrahydrofuran	Soluble		
Ethylacetate	Insoluble		
Cyclohexanone	Swelling		

\*Based on solution cast film of 30-50 microns thickness.

Listed values are “typical (average) values” and should/can not be applied for specification purposes.

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