

Technical Data Sheet

Type: Pearlstick® 5715 F2 TPU is an aromatic polyester-based thermoplastic polyurethane.

Main Application: Solution coating

Physical Properties	Value (Metric)	Units	Test Method
Specific Gravity	1.20	g/cm ³	ISO 2781
Shore Hardness	A/1:95 – D/1:49	Shore A/D	ISO 868
Mechanical			
Tensile Strength	54	MPa	ISO 527-2/5A/200
Modulus			
- 50% Elongation	9	MPa	ISO 527-2/5A/200
- 100% Elongation	12	MPa	ISO 527-2/5A/200
Ultimate Elongation	290	%	ISO 527-2/5A/200
Brookfield Viscosity			
- 20% T.S. in THF	30-70	cps	
Tear Strength Unnicked	75	kN/m	ISO 34-1B
Thermal			
Kofler Melting Point	80	°C	Lubrizol
Solubility			
Methylethylketone (MEK)	Soluble		
Dimethylformamide (DMF)	Soluble		
Tetrahydrofuran	Soluble		
Ethylacetate	Swelling		
Cyclohexanone	Soluble		

- ¹Prior to testing samples were conditioned at 23°C for 48 hours.
- Based on solution cast films of 30-50 microns thickness.
- Listed values are “typical (average) values” and should/can not be applied for specification purposes.

Supply Form and Standard Packaging

Pearlstick® 5715F2 TPU is supplied in pellet form and packaged in 25Kg bags.

STORAGE

Pearlstick™ 5715F2 must be stored in a cool (15–25°C) and environment prior to being processed. Standard practice of consuming resin on first-in first-out basis should be employed.

For further information refer to Lubrizol Advanced Materials processing guides.

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