

## Technical Data Sheet

**Type:** Pearlstick™ 5715 is an aromatic polyester-based thermoplastic polyurethane.

**Main Application:** Solution coating.

Physical Properties*	Value (Metric)	Unit	Test Method
Hardness	A/1 : 95 – D/1 : 49	Shore A/D	ISO 868
Specific Gravity	1.20	g/cm <sup>3</sup>	ISO 2781
Tensile Strength	54	MPa	ISO 527-2/5A/200
Ultimate Elongation	290	%	ISO 527-2/5A/200
Tensile Stress at 50% Elongation	9	MPa	ISO 527-2/5A/200
100% Elongation	12	MPa	ISO 527-2/5A/200
300% Elongation			
Tear Strength Unnicked	75	kN/m	ISO 34-1B
Kofler Melting Point	80	°C	Lubrizol

Solubility		Solution Viscosity Specification Values 20% Total Solids in MEK	
Methylethylketone (MEK)	Soluble	Brookfield R/VTD viscosimeter • Spindle n° 2 • 20 rpm • 23° C	100 – 200 mPa.s
Dimethylformamide (DMF)	Soluble		
Tetrahydrofuran	Soluble		
Ethylacetate	-		
Cyclohexanone	-		

\*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.

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained. The information often is based on laboratory work with small-scale equipment and does not necessarily indicate end product performance or reproducibility. Formulations presented may not have been tested for stability and should be used only as a suggested starting point. Because of the variations in methods, conditions and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the products for the applications disclosed. Full-scale testing and end product performance are the responsibility of the user. Lubrizol Advanced Materials, Inc. shall not be liable for and the customer assumes all risk and liability for any use or handling of any material beyond Lubrizol Advanced Materials, Inc.'s direct control. The SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein is to be considered as permission, recommendation nor as an inducement to practice any patented invention without permission of the patent owner.

