

Type: Pearlbond™ 5708 F3 TPU is a Polyester-Type Thermoplastic Polyurethane (TPU).

Features: Very resilient product with excellent resistance to abrasion and tearing, low temperature flexibility and resistant to certain chemicals.

Uses: Hot melt adhesive, synthetic leather and fabric coating.

Physical Properties	Value (Metric)	Units	Test Method
Specific Gravity	1.20		ASTM D-792
Shore Hardness	85A	Shore A	ASTM D-2240
Mechanical			
Tensile Strength	6100 (42.1)	psi (MPa)	ASTM D-412/D-638
Modulus			ASTM D-412/D-638
- 100% Elongation	800 (5.5)	psi (MPa)	
- 300% Elongation	2300 (15.9)	psi (MPa)	
Ultimate Elongation	490	%	ASTM D-412/D-638
Brookfield Viscosity			RVT Spindle #2, 20 RPM, 23°C
- 20% T.S. in DMF	5500	cps	
Glass Transition Temperature	-27 (-33)	°F(°C)	DSC**
Vicat Softening Point	212(100)	°F(°C)	ASTM D-1525

- Prior to testing samples were conditioned at 23°C for 48 hours.
- Based on extruded sheet (30 mils)
- Listed values are "typical (average) values" and should/cannot be applied for specification purposes.

*These are typical values and should not be used for establishing specifications.
Contact your representative for availability and commercialization status.

**Differential Scanning Calorimeter, 10°C/min, temperature program, from the second heat.

Supply Form and Standard Packaging

Pearlbond™ 5708 F3 TPU is supplied in pellet form and packaged in 1000 lb boxes.

For further information refer to Lubrizol Advanced Materials processing guides.

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