

Technical Data Sheet

Type: Pearlbond™ 5717 NT2 is a Polyester-Type Thermoplastic Polyurethane (TPU).

Features: Hot Melt Adhesive with a low melting range.

Uses: Extrusion, powder coating.

Specification:

Melt Flow Index (160°C/2.16 Kg)	10–20 g/10 min	ISO 1133
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Test	Unit	Results*	Test method
Hardness	Shore	70A	ISO 868 (ASTM -2240)
Specific Gravity	g/cm ³	1.19	ISO 2781 (ASTM D-792)
Appearance	Visual	Transparent	
Tensile Strength at Break	MPa	10	ISO 527 (ASTM D-412)
Tensile Strength @ 50% Elongation	MPa	2.0	ISO 527 (ASTM D-412)
Tensile Strength @ 100% Elongation	MPa	2.5	
Tensile Strength @ 300% Elongation	MPa	4.0	
Elongation at Break	%	750	ISO 527 (ASTM D-412)
Tear Strength (Nicked)		30kN/m	ISO 34-1B
Kofler Melting Point	°C	80	MQSA 70A

*Listed values are "typical (average) values" and should/cannot be applied for specification purposes.

Material Preparation Prior to Processing:

- Material must be dried at 104-122°F (40 - 50°C) for 3 to 6 hours.
- It is recommended to be dried in a desiccant, hot air circulatory or vacuum type dryer. The target dew point should be negative 40°C.
- Depending upon the processing technique, the maximum moisture level should be 0.02 percent.

Storage: Pearlbond™ 5717 NT2 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.

Our **Technical Service** will answer any inquiries about our product and its application.

For further information refer to Lubrizol Advanced Materials processing guides.

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