



TECHNICAL DATA SHEET

PUR90A

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Typical Physical Properties* of Natural Resin	ASTM Test Method (Other)	U.S. Conventional	SI Metric
General Specific Gravity Shore Hardness Taber Abrasion: H-18, 1000-g Load, 1,000 Cycles Bayshore Resilience Mold Shrinkage at 100-mil Thickness: Flow Direction Cross-Flow Direction	D 792 (ISO 1183) D 2240 (ISO 868) D 3489 (ISO 4649) D 2632 D 955 (ISO 2577)	1.13 92A 34 mg Loss 34% 0.008 in/in 0.008 in/in	0.008mm/m m 0.008 mm/mm
Mechanical Tensile Strength Tensile Strength at 50% Elongation Tensile Strength at 100% Elongation Tensile Strength at 300% Elongation Ultimate Elongation Flexural Modulus 158°F (70°C) 73°F (23°C) Tear Strength, Die "C" Compression Set: As Molded 22 Hours at 158°F (70°C) 22 Hours at 73°F (23°C) Post Cured ^a : 22 Hours at 158°F (70°C) 22 Hours at 73°F (23°C) Compressive Load: 2% Deflection 5% Deflection 10% Deflection 15% Deflection 20% Deflection 25% Deflection 50% Deflection	D 412 (ISO 37) D 412 (ISO 37) D 412 (ISO 37) D 412 (ISO 37) D 412 (ISO 37) D 790 (ISO 178) D 624 (ISO 34) D 395-B (ISO 815) D 575	5,200 lb/in ² 1,000 lb/in ² 1,200 lb/in ² 2,200 lb/in ² 500% 4,700 lb/in ² 9,100 lb/in ² 620 lbf/in 72% 23% 33% 16% 160 lb/in ² 325 lb/in ² 705 lb/in ² 1,050 lb/in ² 1,380 lb/in ² 1,690 lb/in ² 3,590 lb/in ²	35.9 MPa 6.9 MPa 8.3 MPa 15.2 MPa 32.4 MPa 62.7 MPa 108 kN/m 1.1 MPa 2.2 MPa 4.9 MPa 7.2 MPa 9.5 MPa 11.6 MPa 24.8 MPa
Thermal Low Temperature Brittle Point Glass Transition Temperature (T _g) Vicat Softening Temperature, Rate A	D 746 (ISO 974) (DMA) ^b D 1525 (ISO 306)	-94°F -9°F 227°F	-70°C -23°C 108°C

** Postcured 16 hrs at 230°F (110°C)

DMA-Dynamic Mechanical Analysis.

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