

## Product Data Sheet: PU Foam



Standard sheet size is 48" X96". All NidaFoam PU products can be supplied in customer specified CNC cut kit form.  
Closed cell content up to 95% freeze and thaw cycle tested.

**Anti-static** additives available for specific applications.

**Low-abrasion** additives available for machining applications.

**Fire - retardant** additives available.

Tests	PU 2 R	PU 4 R	PU 6 R
Compressive Strength ASTM D1621 (psi) Parallel to rise-thickness Perpendicular to rise-width Perpendicular to rise-length	30	95 80 100	140 130 130
Compressive Modulus ASTM D1621(psi) Parallel to rise-thickness Perpendicular to rise-width Perpendicular to rise-length	750 1800	2100 2800 2600	3100 2600 2800
Tensile Strength ASTM D1623(psi)	30	55	95
Tensile Modulus ASTM D1623(psi)	1200	2300	2400
Flexural Strength ASTM D790(psi)	39	128	160
Shear Strength ASTM C273(psi)	23	42	80
Shear Modulus ASTM C273(psi)	260	650	800
Thermal Conductivity Kfactor(Btu-in/ft2-h-F)	0.19	0.19	0.20
Water Absorption ASTM C272(lb/ft2)	0.07	0.06	0.07
Buoyancy (lb/ft3)	60	57	54.4
Dimensional Thermal Stability	-297 to +300 F	-297 to +300 F	-297 to+300F
Flammability ASTM D776	Self Extinguishing	Self Extinguishing	Self Extinguishing
Closed Cell Content	95 %	95 %	95%
R-Value	5.3	5.3	5