

PHYSICAL PROPERTIES

COMPRESSIVE STRENGTH	19,000 psi (1,336 kg/cm ²)	ASTM D695 MOD
COMPRESSIVE MODULUS OF ELASTICITY	533,000 psi (37,482 kg/cm ²)	ASTM D695 MOD
LINEAR SHRINKAGE	0.0002 in/in (0.0002 mm/mm) or 0.02%	ASTM D2566
COEFFICIENT OF LINEAR THERMAL EXPANSION	17.1 x 10 ⁻⁶ /F° @ 32°F to 140°F (30.8 x 10 ⁻⁶ /C° @ 0°C to 60°C)	ASTM D696
FLEXURAL STRENGTH	7,615 psi (575 kg/cm ²)	ASTM C580
FLEXURAL MODULUS OF ELASTICITY	8.6 x 10 ⁵ psi (72,880 kg/cm ²)	ASTM C580
TENSILE STRENGTH	4,970 psi (349 kg/cm ²)	ASTM D638
SHEAR STRENGTH	5,400 psi (380 kg/cm ²)	FED-STD-406 (Method 1041)
IZOD IMPACT STRENGTH	6 in.lbs/in. (0.27 N.m/cm)	ASTM D256
SHOCK RESISTANCE	Pass MIL-S-901C (Navy) High Impact Shock Test, Grade A, Type A, Class 1	
THERMAL SHOCK	Pass 0°F to 212°F (-18°C to 100°C)	ASTM D746
VIBRATION	Meets MIL-STD-167	
FIRE RESISTANCE	Self extinguishing	ASTM D635
SPECIFIC GRAVITY	1.58	
BARCOL HARDNESS	40+ fully cured - 35 minimum	ASTM D2583

PRODUCT INFORMATION

UNIT COVERAGE	Small Unit: 120 cu.in (1,966 cc) Large Unit: 260 cu.in (4,261 cc)
APPLICATION TEMPERATURE	55°F (13°C) to 95°F (35°C)
PACKAGING PER UNIT	Small Unit: Resin (NH) – 7.2 lbs. (3.3 kg), 0.53 gal (2L) in a 1 gal can, Hardener (H) – 0.5 lbs. (0.23 kg), 7.9 oz (0.23 L) in an 8 oz plastic bottle Large Unit: Resin (NH) – 14.4 lbs. (6.5 kg), 1.052 gal (3.98 L) in a 2 gal pail, Hardener (H) – 0.99 lbs. (0.45 kg), 15.49 oz (0.458 L) in an 16 oz plastic bottle
UNIT SHIPPING WEIGHT	Small Unit: 9 lbs (4 kg) Large Unit: 17 lbs. (7.7 kg)
CURE TIME (APPROXIMATE. DEPENDS ON CONTACT SURFACE TEMPERATURE)	55°F - 68°F (13°C - 18°C) 48 hours 66°F - 70°F (19°C - 21°C) 24 hours Above 70°F (21°C) 18 hours
POT LIFE	30 min. @ 70°F (21°C)
CLEAN UP	IMPAX IXT-59 or similar epoxy solvent
SHELF LIFE	2 years

POLYRESINE SAS
9 ZA des 4 vents
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