



Repro[®] NS Fast-Cast Urethane

Description

Repro NS is one of our most popular polyurethanes. Its non-settling feature eliminates filler “hard-packing” and dramatically reduces the time required to pre-mix the material for use. Shakers and mixers are no longer needed, simply stir with a paint paddle.

Physical Properties

Color (when mixed)	Blue
Mix Ratio (R:H, by weight or volume)	1:1
Viscosity (cps, mixed)	1,750
Gel Time (minutes @ 77°F.)	6-7
Demold Time (minutes.)	60-90
Hardness (Shore D) (ASTM 2240)	84
Specific Gravity, Mixed (ASTM D-792)	1.90
Volumetric Yield (cu. in./ lb.)	14.5
Compressive Strength (psi) (ASTM D-695)	5,970
Flexural Strength (psi) (ASTM D-790)	2,990
Flexural Modulus (psi) (ASTM D-790)	684,000
Tensile Strength (psi) (ASTM D-638)	1,710
Tensile Modulus (psi) (ASTM D-638)	869,000
Izod Impact Strength (ft-lbs./in) (ASTM D-256)	0.35
Deflection Temperature @ 66 psi (°F) (ASTM D-648)	142
Coefficient of Thermal Expansion (in/in/°F)	1.45 x 10 ⁻⁵
Linear Shrinkage (in/in)* (ASTM D-2566)	0.001

*Actual shrinkage dependent upon mass

Ordering Information

Item Number	Description	Size	Net Wt. Lbs.
053153	Repro NS Quart Unit	Quart	5
053159	Repro NS Gallon Unit	Gallon	20
053165	Repro NS 5-Gallon Unit	5-Gallon	100

Physical and mechanical properties of tooling plastics herein reported are typical after a full cure of seven (7) days at room temperature or equivalent. Designated mix ratios must be adhered to for desired results. The user shall determine the suitability of this product for their application and assumes all risks and liabilities associated with the use of this product. The exclusive remedy for all proven claims is replacement of our materials only and in no event shall Freeman Mfg. & Supply Co. be liable for special, incidental, or consequential claims.

READ SAFETY DATA SHEETS AND PRODUCT LABELS BEFORE USING PRODUCT

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