



PROFESSIONAL PLASTICS, INC.

Leading Global Supplier of Engineered Plastic Shapes

NylaPro® 1000-XL

NylaPro® 1000-XL contains a proprietary solid lubricant, which offers a lower Dynamic Coefficient of Friction, and Superior Wear Resistance to all other grades of Type 6 Monomer Cast Nylon. NylaPro® 1000-XL is used for Dynamic applications where external lubrication is difficult or impossible. Providing in excess of 5 times longer part life than other lubricated materials, NylaPro® 1000-XL offers significant savings in machine maintenance and down time costs. As well, it provides added assurance of part life in friction applications where other Cast Nylons may fail.

Specific Gravity	1.13 g/cm3
Tensile Strength	10,000 - 12,000 (psi)
Compressive Strength @ 10% Deflection	14,000 - 15,000 (psi)
Elongation	20 - 45 %
Tensile Modulus	460,000 (psi)
Tensile Impact, 73 °F	80 - 130 ft. lb/sq in.
Flexural Strength	15,500 (psi)
Flexural Modulus	430,000 (psi)
Coefficient of Friction	.08 - .14 (dry vs. Steel)
24 Hour H2O	.3 %
Equilibrium H2O	1.2 - 3 %
Hardness	80 - 84 (Scale D)
Coefficient of Thermal Expansion	5.5 x 10 (-5) in./in./F
Continuous Operating Temp	220 - 250 Degrees F

Material is certified to conform with ASTM - D5989 Specification. Above values are intended for guidance to material selection only. As with any new application, Professional Plastics, Inc. recommends testing in actual application prior to specification. Values are typical results rather than minimum properties. Professional Plastics assumes no liability for variations to typical test data. Product selection is the sole responsibility of the customer and should be based on customers own test results and quality inspection.

<u>NylaPro® 1000-XL offers:</u>	<u>Typical Applications:</u>
<ul style="list-style-type: none"> • Low Dynamic Coefficient of Friction (.08 - .14) • High PV Value (15,000) • Highly Wear Resistant • Easily Machined • Cost Saving in Maintenance and Down Time • Non - Galling • Corrosion Resistant 	<ul style="list-style-type: none"> • Wear Strips • Bearings / Bushings • Abrasion Pads • Rollers, Guide Rails, Star Wheels (Bottling Plants) • Valve Seats • Added assurance of part life in applications where other Cast Nylons may fail

USA Phone (888) 995-7767 – Asia Phone +65-6266-6193

E-Mail: sales@proplas.com Website: www.professionalplastics.com