



PROFESSIONAL PLASTICS

MC707 PA™

Proprietary, wear-resistant oil-filled Nylon

Specific Gravity	1.14 g/cm ³
Tensile Strength	10,000 (psi)
Compressive Strength @ 10% Deflection	14,000 - 15,000 (psi)
Elongation	35 - 40 %
Tensile Modulus	435,000 (psi)
Tensile Impact 73 °F	80 -130 ft. lbs./ in.
Flexural Strength	13,000 (psi)
Flexural Modulus	350,000 (psi)
Coefficient of Friction	.17 - .19 (dry vs. Steel)
24 Hour H ₂ O	.3 %
Equilibrium H ₂ O	1.0 - 2.8 %
Hardness	80 (Scale D)
Coefficient of Thermal Expansion	5.5 x 10 ⁽⁻⁵⁾ in./in./F
Continuous Operating Temp	220 - 250 Degrees F

Color: Green

Above values are intended for guidance to material selection only. As with any new application, Professional Plastics recommends testing in actual application prior to specification.

MC707 PA meets ASTM D5989 and FDA 21 CFR 177.1500

MC707 PA is commercial tradename of Professional Plastics, Inc.

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