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NYLON

NYLOIL®

Description

During the Nyloil® manufacturing process, an oil lubricant is completely dispersed within this green nylon. The Nyloil® self lubricates, resists to wear and to high pressures.



Applications

This material is ideal for making wear plates and most bearing applications.

Specifications

Technical Data

Specific gravity (ASTM D-792)	1.32
Specific gravity (ASTM D-792)	1.14
Tensile strength (ASTM D-638) (psi)	9 500 / 11 000
Tensile strength (ASTM D-638) (psi)	14000
Flexural strength (ASTM D-790) (psi)	25000
Flexural strength (ASTM D-790) (psi)	15 000
Compressive strength (ASTM D-695) (psi)	17100
Compressive strength (ASTM D-695) (psi)	12 500
Hardness, M Scale (ASTM D-785)	99
Hardness, M Scale (ASTM D-785)	75
Elongation (ASTM D-638) (%)	60

Elongation (ASTM D-638) (%)	40
Coeff. Thermal Exp. (ASTM D-696) In/In/°F	5.0 X 10e5
Coeff. Thermal Exp. (ASTM D-696) In/In/°F 10 ⁻⁶	2.6 X 10 ⁻⁶
Water absorption, 24 hours %	0.2
Water absorption, 24 hours %	0.5

N.B. The information presented may differ from practice. We recommend conducting tests according to the conditions of use. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products. The data is subject to certain variations without notice.