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NYLON

NYLATRON GSM

Description

The grey Nylatron GSM contains finely divided particles of molybdenum disulfide (MoS₂) to enhance its load bearing capabilities while maintaining the impact resistance inherent to nylon.



Applications

This material is commonly used to make gears, sheaves, sprockets and custom parts.

Specifications

Technical Data

Specific gravity (ASTM D-792)	1.16
Tensile strength (ASTM D-638) (psi)	11 000
Flexural strength (ASTM D-790) (psi)	16 000
Compressive strength (ASTM D-695) (psi)	14 000
Hardness, M Scale (ASTM D-785)	80
Elongation (ASTM D-638) (%)	30
Coeff. Thermal Exp. (ASTM D-696) In/In/°F	5 X 10 ⁻⁵
Water absorption, 24 hours %	0.6

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.