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Delrin



Description

Acetal is a highly crystalline form of polymerized formaldehyde. It provides high strength and stiffness coupled with enhanced dimensional stability and ease of machining. It is also characterized by a low coefficient of friction and good wear properties, especially in wet environments.

Applications

Its many applications include, bearings, gears, screw machine parts, machine fittings, and electrical and low-friction components.

Specifications

Technical Data

Specific gravity (ASTM D-792)	1.42
Tensile strength (ASTM D-638) (psi)	10 000
Flexural strength (ASTM D-790) (psi)	14 100
Hardness, M Scale (ASTM D-785)	94
Dielectric strength (ASTM D-149) (v/mil)	3 000
Flammability rating (ASTM UL-94)	HB
Coeff. Thermal Exp. -40 à 185 °C (10 ⁻⁵ in/in - °C) (ASTM D-696)	10
Water absorption (ASTM D-570)%	0.25

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.