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POLYCARBONATE

ULTEM 1000

Description

The Ultem1000 is an inert polymer offering high strength and excellent flame and heat resistance. It performs continuously to 340°F. It is also hydrolysis resistant, highly resistant to acidic solutions and capable of withstanding repeated autoclaving cycle.



Applications

This material is commonly machined into parts for reusable medical devices, analytical instrumentation and electrical/electronic insulators.

Specifications

Technical Data

Specific gravity (ASTM D-792)	1.28
Tensile strength (ASTM D-638) (psi)	16 500
Flexural strength (ASTM D-790) (psi)	20 000
Compressive strength (ASTM D-695) (psi)	22 000
Hardness, M Scale (ASTM D-785)	112
Elongation (ASTM D-638) (psi)	80
Coeff. Thermal Exp. (ASTM D-696) In/In/°F	3.1 x 10e5
Water absorption, 24 hours %	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.