

TYPICAL PROPERTIES

VESPEL® TP- 8929



MECHANICAL		TEST METHOD	SI UNITS	ENGLISH UNITS
TENSILE STRENGTH	23°C/73°F	ASTM D-638	72 MPa	10,400 psi
TENSILE ELONGATION	23°C/73°F	ASTM D-638	6%	6%
FLEXURAL STRENGTH	23°C/73°F	ASTM D-790	96 MPa	13,900 psi
FLEXURAL MODULUS	23°C/73°F	ASTM D-790	2.4 GPa	340,000 psi
NOTCHED IZOD 3.175 mm/1/8 in.	23°C/73°F	ASTM D-256	137 J/m	2.6 ft. lb./in.

THERMAL	TEST METHOD	SI UNITS	ENGLISH UNITS
HDT @ 1.8 MPa (264 psi)	ASTM D-648	230°C	446°F
CTE (23-150°C/73-302°F) FLOW DIRECTION	ASTM E-228	5.4x10 ⁻⁵ cm/cm/°C	3.0x10 ⁻⁵ in./in./°F
CTE (23-150°C/73-302°F) TRANSVERSE DIRECTION	ASTM E-228	6.3x10 ⁻⁵ cm/cm/°C	3.5x10 ⁻⁵ in./in./°F

OTHER PROPERTIES	TEST METHOD	SI UNITS	ENGLISH UNITS
SPECIFIC GRAVITY	ASTM D-792	1.44	1.44

THERMOPLASTIC PARTS FOR HIGH-TEMPERATURE APPLICATIONS

Vespel® TP-8929 is a PTFE filled thermoplastic polyimide that offers a good balance of mechanical and thermal performance. This grade also exhibits low friction, dimensional stability, low outgassing, radiation resistance, creep resistance, and low coefficient of thermal expansion.

As part of the Vespel® parts and shapes product line, injection-molded Vespel® TP-8929 parts comply with the highest quality standards required in the industry.

For more information about DuPont™ Vespel®:

UNITED STATES

DuPont Engineering Polymers
Pencader Site
Newark, DE 19714-6100
Tel: 800-222-VESP
Fax: (302) 733-8137

EUROPE

DuPont de Nemours
(Belgium) BVBA-SPRL
Engineered Parts Center
A. Spinoystraat 6
B-2800 Mechelen
Belgium
Tel: ++32 15 441527
Fax: ++32 15 441408

ASIA-PACIFIC

Japan DuPont K.K.
Arco Tower
8-1, Shimomeguro 1-chome
Meguro-ku, Tokyo 153-0064
Tel: 03-5434-6989
Fax: 03-5434-6982

Korea DuPont Korea Limited
4/5 Floor, Asia Tower, #726
Yeoksam-dong, Kangnam-ku
Seoul 135-082
Tel: 02-222-5200
Fax: 02-222-5470

Taiwan/ China

DuPont Taiwan Limited
13th Floor, Hung Kuo Building
167, Tun Hwa North Road
Taipei, Taiwan 105
Tel: 02-719-1999
Fax: 02-712-0460

This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience become available. Since we cannot anticipate all variations in actual end-use conditions, DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

Caution: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, see "DuPont Medical Caution Statement."