

TYPICAL PROPERTIES

VESPEL® TP- 7022



MECHANICAL		TEST METHOD	SI UNITS	ENGLISH UNITS
TENSILE STRENGTH	23°C/73°F	ASTM D-638	79 MPa	11,500 psi
ELONGATION AT BREAK	23°C/73°F	ASTM D-638	1.9%	1.9%
FLEXURAL STRENGTH	23°C/73°F	ASTM D-790	105 MPa	15,300 psi
FLEXURAL MODULUS	23°C/73°F	ASTM D-790	7.0 GPa	1,000,000 psi
NOTCHED IZOD 3.175 mm/1/8 in.	23°C/73°F	ASTM D-256	40 J/m	0.74 ft. lb./in.
HARDNESS, ROCKWELL M		ASTM D-785	39	39

THERMAL	TEST METHOD	SI UNITS	ENGLISH UNITS
HDT @ 1.8 MPa (264 psi)	ASTM D-648	263°C	505°F
CTE (23-150°C/73-302°F) FLOW DIRECTION	ASTM E-228	0.92x10 ⁻⁶ cm/cm/°C	0.51x10 ⁻⁵ in./in./°F
CTE (23-150°C/73-302°F) TRANSVERSE DIRECTION	ASTM E-228	6.51x10 ⁻⁶ cm/cm/°C	3.62x10 ⁻⁵ in./in./°F

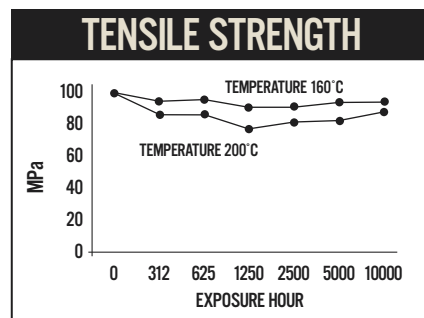
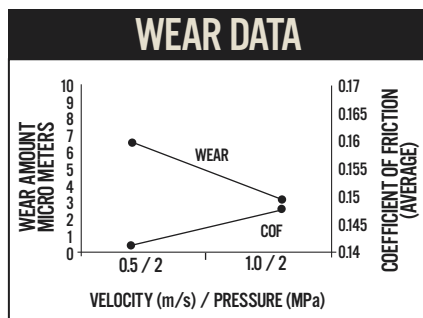
THERMOPLASTIC PARTS FOR DRY WEAR APPLICATIONS

VespeL® TP-7022 is a high-temperature thermoplastic material tailor-made for dry, unlubricated applications.

The combination of high thermal resistance and low coefficient of friction makes this material particularly well suited for dry wear applications such as thrust washers.

As part of the VespeL® parts and shapes product line, injection-molded VespeL® TP-7022 parts comply with the highest quality standards required in the industry.

OTHER PROPERTIES	TEST METHOD	SI UNITS	ENGLISH UNITS
SPECIFIC GRAVITY	ASTM D-792	1.59	1.59



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