

Technical Data Sheet **UHMW**

I. Mechanical Properties

SPECIFICATIONS	UNITS	ASTM TEST	UHMW-PE
Tensile strength	psi	D638	3,100
Accept modules	psi	D790	110,000
isotope effect (concrete)	ft-lbs/in of notch	D256	18.0*
psi temperature deviation temperature 264	°F	D648	-
Maximum continuous work in the air	°F		180
Water absorption (24 hours immersion)	%	D570	slight
Coefficient of linear thermal expansion	in/in/°F $\times 10^{-5}$	D696	11.1

All values are attributes of the used raw materials.

The physical data contained in this table are typical values. They are obtained on test specimens under specific conditions and represent average values of a large number of tests. The results obtained on these test specimens cannot be applied to finished parts without reservations, as behaviour is influenced by processing and shaping. Reproduction only with our definite permission.

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