



I. Mechanical Properties

	UNITS	ASTM TEST	UHMW-PE
استحکام کششی	psi	D638	3,100
ماژولهای انعطاف پذیر	psi	D790	110,000
تاثیر ایزوتوپ (بتنی)	ft-lbs/in of notch	D256	18.0*
دمای انحرافی درجه حرارت ۲۶۴ psi	°F	D648	-
حداکثر دمای کار مستمر در هوا	°F		180
جذب آب (۲۴ ساعت غوطه وری)	%	D570	slight
ضریب انبساط حرارتی خطی	in/in/°F x 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.