

WILLIAM JOHNSTON & COMPANY LIMITED

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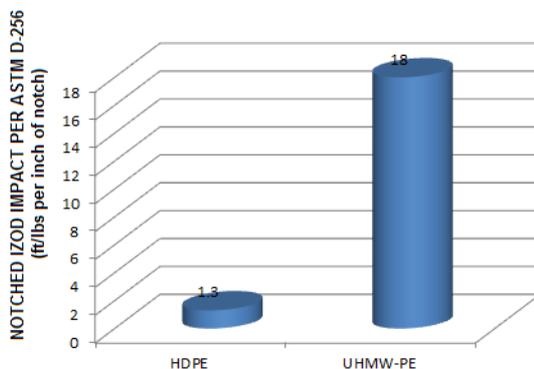
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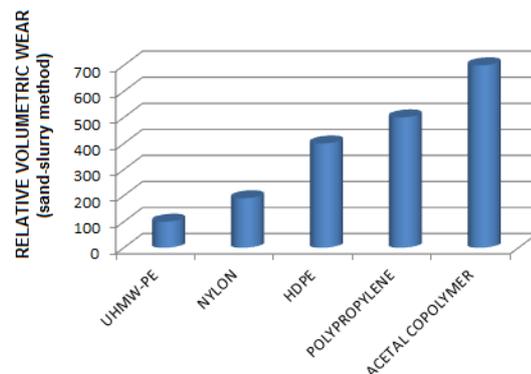
UHMW-PE

	UNITS	ASTM TEST	UHMW-PE
Tensile strength	psi	D-638	3,100
Flexural modulus	psi	D-790	110,000
Izod impact (notched)	ft-lbs/in of notch	D-256	18.0*
Heat deflection temperature @ 264 psi	°F	D-648	-
Maximum continuous service temperature in air	°F		180
Water absorption (immersion 24 hours)	%	D-570	slight
Coefficient of linear thermal expansion	in/in/°F $\times 10^{-5}$	D-696	11.1

IMPACT RESISTANCE



ABRASION RESISTANCE



Disclaimer

Please note, failure to select the correct materials or products we supply ("the Products") may result in damage to plant, equipment or property. In some instances, it may cause death or personal injury. We are not designers and do not give advice about design related matters concerning the Products. We can help and assist with the technical specifications for the Products. In specific applications, particularly where critical conditions exist, we will try to assist you within the limitations of the services that we offer. All information supplied by us is intended as technical co-operation outlining the specifications of the different Products which we supply. To the extent permitted in law, no warranty is given in respect of any information supplied by us. The customer must satisfy themselves as to the suitability of the Products for their intended application and use. The correct fitting of Products is the responsibility of the customer. Your statutory rights remain unaffected. Save in respect of death, personal injury or fraud, our entire liability to you, however arising from the supply of Products shall be limited to the £10M indemnity amount provided by our insurers.