**Description:** UHMW is ultra high molecular weight polyethylene. UHMW is lightweight and longwearing, providing excellent performance in numerous applications requiring impact and abrasion resistance, non-stick properties or noise reduction. UHMW imparts no undesirable taste, smell, or discoloration. This material requires no special care and can be cleaned with water, steam, detergents, or disinfectants. Key benefits include abrasion and impact resistance. The low coefficient of friction allows it to release food particles and other substances, preventing build-ups and bottlenecking. It is chemically inert, self-lubricating, FDA/USDA approved, and machinable and performs well in extreme low temperatures.

## **Thermal and Mechanical Properties:**

D1505	.930
D638	>2,800
D638	>450
D790	160,000
D2240	62
D256	No Break
D746	<-38
D1525	128
D648	82
ion <i>(in/in/degrees F)</i> D696	1.1x10 <sup>-4</sup>
	D638 D638 D790 D2240 D256 D746 D1525 D648 ion (in/in/degrees F)

Material	Sand Slurry Test (Relative Volumetric Abrasion

King Hy-Pact® UHMW	12
King Hy-Pact® VH	40
HDPE	110

<sup>\*</sup>Tested in a 50/50 mix of sand/water slurry for 8 hours at 1700 RPM.

The values quoted are typical lab results and must not be regarded as supply specification.

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Technical Data