



山东省宁津县新兴化工有限公司

Shandong Ningjin Xinxing Chemical Co., LTD

Liaoh road ,Ningjin Industrial zone , Dezhou City , Shandong Province , China.

Tel:86-0534-5222377 Fax:86-0534-7074626 Mobile:86-13173337240

TYPICAL PROPERTIES OF UHMWPE (PE 1000)			
Property	Units	Test Method	Typical Average Values
Density	g/cm ³	ASTM D792	0.94
Surface Hardness	Shore "D"	ASTM D2240	RR50
Tensile Strength	MPa	ASTM D638	35
Flexural Modulus	GPa	ASTM D790	0.5
Notched Izod	kJ/m	ASTM D256	1.06+
Linear Expansion	/°C x 10 ⁻⁵	D696-16	13
Elongation at Break	%	ASTM D638	500
Strain at Yield	%	ASTM D638	25
Max.Operating Temp.	°C	ISO 75	55
Limiting Oxygen Index	%	ASTM D2863	17
Flammability		UL94 Test	HB
Volume Resistivity	Ohmcm	IEC 60093	10 ¹⁸
Dielectric Strength	kVmm-1	IEC 60243-1	28
Dissipation Factor Dielectric Loss Index	@ 1KHz	IEC 6250	0.0002
Dielectric factor	@ 1KHz	IEC 6250	2.3
Deflection Temperature at 0.46 MPa (66psi)	°C	ISO75	69
Deflection Temperature at 1.8 MPa (264psi)	°C	ISO75	42
Water Absorption Immersion, 24 Hours	%	ASTM D570	< 0.01
Water Absorption Immersion, Saturation	%	ASTM D570	< 0.01

The above data sheet are based on the present knowledge and our present products and are given without guarantee .Different color may have a little difference on the properties.

- 1) Different color have different properties
- 2) Further compositions or approvals on request
- 3) Different additive added depend on the different application

