

TICONA UHMWPE material Test Certificate

Item	Test method	Test result	Unit
Density	ISO1183-1	0.93-0.95	g/cm ³
Molecular weight	ASTM D6474	3-5Millon	10 ⁶ g/mol
Yield Strength	ASTM D-638	>17	Mpa
Breaking enlongation	ISO527	>250	%
Abrasion	ISO15527	83-88	Steel =100
Shore Hardness	ISO868	>60	SHORE D
Dynamic Friction	ISO8295	<0.2	Unitless
Melting Point	ASTMD-3417	°C	180
Water Absorption	ASTMD-570	%	<0.1

Shandong Ningjin Xinxing Chemical Co.,Ltd.



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