

## VFOOS PTFE PROPERTIES

ITEM	ASTM	TARGET	UNIT
Mechanical property			
Density	D792	2.1~2.25	g/m <sup>3</sup>
Elongation at break	ASTM	≥150about200 ~350	%
Compresssive strength	ASTM	24	Mpa
Friction coefficient	ASTM	0.01	-
Tensile strength	D638	≥15about20 ~45	Mpa
Electrical Performance			
Insulation strength	D149	> 1400	KV/mm
Volume resistivity	D257	10 <sup>18</sup>	Ω.cm
Surface resistivity	D257	10 <sup>18</sup>	Ω
Dielectric constant	D150	2.1	-
Thermal Properties			
Operating temperature	-	180 ~ 260	°C
Melting point	-	330	°C
Maximum production temperature	-	390	°C
Fire resistance	UL94	V-0	-
Brittle point temperature	-	-268	°C
General Performance			
Chemical solvent resistance	oustanding	-	-
Water absorption	D570	0.01	24h/%
limiting oxygen index	D2963	> 95	-