

PTFE DATA SHEET

Item	Unit	Value	Item	Unit	Value	
Density	g/cm ³	2.13-2.30	coefficient of heat conductivity	W/cm. °C	25.1	
Fusion Point	°C	327	coefficient of linear expansion	10 ⁻⁵ . °C	12.3→11.6 (30°C→80°C)	
Tensile Strength	Mpa	14—35	InsulationStrength (Direct)	KV/mm	17	
Elongation	%	200-400	volume resistivity	Ω.cm	10 ¹⁸	
Compression Strength	Mpa	12	surface resistivity	Ω	10 ¹⁷	
Lash Strength	J/m	157	dielectric constant (5010 ⁶ Hz)		2.1	
Hardness Shore D		55	dielectric loss factor (5010 ⁶ Hz)		< 3x10 ⁻⁴	
Dynamic friction coefficient		0.11	arc resistance	Sec	> 300	
Static friction coefficient		0.05	acid & alkali resistance		Excellent	
Heat DeformationTemp	1.83Mpa	°C	55	inflammability	non	
	0.46Mpa	°C	122	Water Asorbtion	< 0.01	
Temp Max	°C	122	weather-resistance		Excellent	
Temp Min	°C	-180	Compression Set	13.7Mpa	%	14
				24por		
				24°C	%	8
specific heat	J/g °C	1.05				