

## Summary of Properties

	Properties	Unit	ASTM Method	PTFE	PFA
Physical	Melting Point	°C	D 4591	327	310
	Specific gravity	—	D 792	2.13-2.20	2.12-2.17
Mechanical	Tensile Strength	MPa	D 638	20-35	25-35
	Elongation	%	D 638	200-400	300-350
	Hardness,(shure)	—	D 2240	D50-55	D62-66
	Bending Modulus	GPa	D 790	0.53-0.58	0.54-0.64
Thermal	Max. Service Temp	°C	—	260	260
	Thermal Conductivity	W/m · K	C 177	0.23	0.19
	Specific Heat	10 <sup>3</sup> J/Kg · K	—	1.0	1.0
	Linear Coefficient of Expansion	10 <sup>-5</sup> /K	D 696	10	12
Electrical	Volume Resistance	Ω · cm [50RH,23]	D 257	> 10 <sup>18</sup>	> 10 <sup>18</sup>
	Dielectric Strength	Mv/mm [3.2mm fhickness]	D 149 (Short Term)	19	20
Others	Water Absorption	%	D 570	0.01	0.01
	Flammability Rating	[3.2mmfhickness]	UL-94	V-0	V-0
	Limited Oxygen Index	—	—	> 95	> 95