



PVDF Film – Material Data Sheet

	Units	ASTM Test	Result
Mechanical			
Tensile Strength @yield	psi	D882	7,550
Elongation @break	%	D882	160
Tensile Modulus	psi	D882	250,000
Flexural Modulus	psi	D790	260,000
Tear Strength - prop.	g/mil	D1004	735
Thermal			
Continuous Use Temp.-UL	°F	-	265
Heat Deflection Temperature @264 psi	°F	D648	244
Melt Temp.-DSC	°F	-	329-338
Glass Transition Temp.	°F	D3418	-
Flammability			
UL Rating-UL94	-	-	VTM-0
L.O.I.	%	D2863	43
NBS Smoke	Dmax	E662	-
Electrical			
Surface Resistivity	Ohms	D257	>10¹¹
Dielectric Strength @.003"	V/mil	D149	1,930
Dielectric Constant	1 KHz	D150	8.15-10.46
Dissipation Factor	1 KHz	D150	0.005-0.019
Other			
Specific Gravity	-	D792	1.78
Water Absorption	%/24 hr.	D570	0.01
Refractive Index	-	-	1.42
Haze	%	D1003	-
Area Factor	in ² /lb/mil	-	15,480

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