



Total Solution Coating Applicator

Electrical Properties of Teflon® Coatings

Property	ASTM Standard	Unit	Teflon® PTFE	Teflon® FEP	Teflon® PFA	Teflon® ETFE
Dielectric Constant	D150	1 MHz	2.1	2.1	2.1	2.6
Dielectric Strength**	D149	V/μm	18	53	80	79
Dissipation Factor	D150	1 MHz	<0.0001	0.0006	0.0001	0.007
Arc Resistance	D495	sec	>300	300	>180	122
Volume Resistivity	D257	ohm-cm	>10 ¹⁸	>10 ¹⁸	>10 ¹⁸	>10 ¹⁷
Surface Resistivity	D257	ohm/sq	>10 ¹⁸	>10 ¹⁶	>10 ¹⁷	>10 ¹⁵

** Dielectric Strength: 100 micrometers film

Source: DuPont