

DF100 and C/CD

CHEMFILM® type C, type CD (duplex wound) and DF100 are multilayer cast PTFE films produced using a proprietary process.

FEATURES	BENEFITS
Cast Film	<ul style="list-style-type: none">Thin gauge PTFE filmUniform tensile properties in both machine and traverse directionIsotropic shrinkage as a function of temperature
Multilayer	<ul style="list-style-type: none">High degree of consolidation resulting in superior dielectric performancePigments and other additives may be added to individual layers to customize performance
PTFE	<ul style="list-style-type: none">Superior performance in a wide range of chemical, thermal and electrical environments
Slitting	<ul style="list-style-type: none">Available in slit widths to 1", supplied in pad rolls; minimum quantities apply

Typical Properties

	Method	Value
MECHANICAL		
Tensile Strength (psi)	ASTM D882-54T	4,300
Elongation (%)	ASTM D882-54T	400
Elastic Modulus (psi)	ASTM D882	60,000
Continuous Service Temp.	—	+500°F, -400°F +260°C, -188°C
ELECTRICAL		
Dielectric Constant, 60-10 ⁸ Hz	ASTM D150	2.0
Power/Dissipation	ASTM D150	<0.0001
Surface Resistivity	ASTM D257	9.0 x10 ¹⁷
Volume Resistivity	ASTM D257	>10 ¹⁵
Dielectric Strength (volts/mil)	ASTM D149	4,200
Surface Arc Resistance	ASTM D495	Does not arc
Product Number		
	C/CD	DF100
Available Gauge (mil)	0.17-0.75	1.0-5.0
Colors	Natural	On request

Values shown are typical. Certified test reports for writing specifications are available.

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AFF-1149-PDF-0902-SGCS