

Coolshield™ PVDF

PRODUCT SPECIFICATION

1.0 STYLE#		COOLSHIELD PVDF					
2.0 BASE FABRIC		ENGLISH		METRIC			
2.1	Weight	5.08	oz/yd ²	172.2	glm ²		
2.2	Fiber		Polyester				
2.3	Fabric Style		S10K2				
3.0 COATED FABRIC							
3.1	Total Weight	30 ± 2	oz/yd ²	1017 ± 67.8	glm ²		
3.2	Gauge	0.0250 ± 0.0020	in.	0.064 ± 0.005	cm.		
3.3	Type of Coating		PVDF				
3.4	Coating Distribution		60 / 40				
3.5	Width	0.25	in.	0.64	cm.		
3.6	Sealing Properties	Dielectric	X	Thermal	X		
4.0 MECHANICAL PROPERTIES		TEST METHODS					
						Fed.Std/191A	ASTM
4.1	Tensile Strength						
	Grab Warp	350	lbs.	156	daN	5100	D751-A
	Fill	350	lbs.	156	daN		
	1"Strip Warp	250	lbs.\ in.	222	daN\5cm	5102	D751-B
	Fill	275	lbs.\ in.	244	daN\5cm		
4.2	Adhesion R.F.	20.0	lbs.\ in.	17.8	daN\5cm		D751
4.3	Adhesion Thermal	20.0	lbs.\ in.	17.8	daN\5cm		
4.4	Tear Strength, Tongue Warp	50	lbs.	22.2	daN	5134	D751-B
	Fill	100	lbs.	44.4	daN		
4.5	Low Temperature	-30	° F	-34	° C		D2136
4.6	High Temperature, Cont/Interm.	225 / 285	° F	107 / 140.5	° C		D1204
4.7	Abrasion Resistance(Taber)	Wheel		Load	g.		
	To Exposed Fabric (Face)	Cycles		wgt.loss	g/cy	5306	D3884
4.8	Puncture						
	Screwdriver	75	lbs.	33.3	daN	5120	D751Mod.
	Ball		lbs.		daN	5120	D751
4.9	Hydro Resistance	300	psi.		Pa	5512	D751-A
4.10	Flame Resistance						
	Time of Afterflame		sec. Max.		sec. Max.		
	Length of Char		in. Max.		cm. Max.		

COMMENTS: Preliminary specification based upon initial trial run.
Final values may vary.

Physical properties and chemical values as determined by other standard testing procedures are available upon request. Cooley Inc. Laboratory is a Department of Defense, Defense Supply Agency, Qualified Testing Laboratory for Chemical, Physical, Biological Testing.

The information contained herein or that is supplied by us, or on our behalf, is based upon data obtained through our own research and is considered accurate. However, No Warranty is expressed or implied regarding the accuracy of this data, the results obtained from the use thereof, or that any such use will not infringe upon any patent. This information is furnished upon the condition that the person receiving it shall evaluate its suitability for the specific application.