

SHEERFILL®

SHEERFILL is a family of membranes used in permanent structures. The composite is made of fiberglass and polytetrafluoroethylene (PTFE). SHEERFILL is available in a range of strengths and light transmission levels. This provides the user with a choice of membranes to cover virtually any size structure from a full-sized stadium to a relatively small skylight.

All SHEERFILL membranes conform to rigid fire and building codes for permanent buildings.

Typical Properties	SHEERFILL II			SHEERFILL V			SHEERFILL IVA			Test Method
Coated Fabric Weight	oz/yd ² 38.5	g/m ² 1305		oz/yd ² 29.0	g/m ² 983		oz/yd ² 24.0	g/m ² 814		FTMS 191A-5041
Thickness	mils 30.0	mm 0.80		mils 22.0	mm 0.55		mils 18.0	mm 0.45		FTMS 191A-5030
Strip Tensile	lbs/in ²	N/5 _{cm}	kg/3 _{cm}	lbs/in ²	N/5 _{cm}	kg/3 _{cm}	lbs/in ²	N/5 _{cm}	kg/3 _{cm}	FTMS 191A-5102
Dry, Warp	825	7220	442	550	4810	295	550	4810	295	
Dry, Fill	590	5160	316	625	5470	335	400	3500	215	
Wet, Warp	625	5470	335	420	3675	225	500	4375	268	
Wet, Fill	465	4070	249	475	4160	255	350	3060	187	
After Flex Folding, Warp	680	5950	365	375	3280	201	500	4375	268	Chemfab P992A-1
After Flex Folding, Fill	415	3630	222	400	3500	215	350	3060	187	
	lbs	N	kg	lbs	N	kg	lbs	N	kg	
Trapezoidal Tear, Warp	75	335	34	40	178	18	40	178	18	FTMS 191A-5136
Trapezoidal Tear, Fill	70	310	32	65	290	30	40	178	18	FTMS 191A-5136
Translucency, %	13			20			22			Chemfab P879A-1
Reflectance, %	72			71			70			Chemfab P879A-1
Burning Characteristics										
Flame Spread	5			0			5			ASTM E-84
Smoke Generation	10			0			5			ASTM E-84
Flame Out, Seconds Char Length, Inches	0 seconds 0.38 inches			0 seconds 0.60 inches			0 seconds 0.60 inches			NFPA 701 Small Scale
Incombustibility of Substrate	Pass			Pass			Pass			ASTM E-136
Burning Brand	Class A			Class A			Class A			ASTM E-108

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CHEMFAB®

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