

FW-6643(DMD 100)
Polyester Film/Polyester Non-woven Fabric Combined Flexible Material
MAIN TECHNICAL CHARACTERISTICS

Properties		Unit	Values												
Construction		—	2/2/2	2/3/2	2/4/2	3/3/3	2/5/2	2/6/2	3/5/3	2/7.5/2	3/7.5/3	2/10/2	3/10/3	3/14/3	
Nominal Thickness		mm	0.15	0.18	0.20	0.23	0.23	0.25	0.28	0.30	0.35	0.36	0.40	0.50	
Film thickness		mm	0.05	0.075	0.10	0.075	0.125	0.15	0.125	0.188	0.188	0.25	0.25	0.35	
Tolerance		mm	±0.02	±0.025	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.035	±0.04	±0.04	±0.05	
Grammage (Only for reference)		g/m ²	170	210	245	255	270	310	325	380	410	450	500	650	
Tensile strength	MD	No fold	N/10mm	≥80	≥100	≥120	≥120	≥130	≥150	≥170	≥200	≥220	≥260	≥300	≥350
		folded		≥80	≥90	≥105	≥105	≥115	≥130	≥150	≥180	≥200	≥220	≥240	≥280
	TD	No fold		≥80	≥90	≥105	≥105	≥115	≥130	≥150	≥180	≥200	≥220	≥240	≥280
		folded		≥70	≥80	≥95	≥95	≥100	≥120	≥130	≥150	≥170	≥200	≥220	≥260
Tear strength	MD	N	≥35	≥40	≥45	≥50	≥60	≥70	≥80	≥90	≥100	≥120	≥150	≥190	
	TD		≥22	≥25	≥30	≥40	≥50	≥60	≥60	≥70	≥80	≥100	≥130	≥170	
Breakdown Voltage	Standard condition	kV	≥6.0	≥8.0	≥9.0	≥8.0	≥11.0	≥12.0	≥11.0	≥13.0	≥15.0	≥17.0	≥18.0	≥19	
Volume resistivity		Ωm	≥10 ¹³												
Surface resistivity		Ω	≥10 ¹³												
Delamination		—	No delamination												
Thermal stability 180±2℃, 10 minutes		—	No delamination, no bubble, no resin flow												