

## WATERGARD 45

Property	Test Method	WaterGard 45
Base Fabric Type Base Fabric Weight	ASTM D 751	Polyester 7.5 oz/yd <sup>2</sup> nominal
Thickness	ASTM D 751	45 mils nominal
Weight	ASTM D 751	42.0 ± 2.0 oz/yd <sup>2</sup>
Tear Strength	ASTM D 751 Trap Tear	40/55 lb. min.
Breaking Yield Strength	ASTM D 751 Grab Tensile	650/650 lb. min.
Low Temperature Resistance	ASTM D 2136 4hrs-1/8in Mandrel	Pass @ -30° F
Dimensional Stability	ASTM D 1204 212°F/100° C-1 hr.	0.5% max. each direction
Hydrostatic Resistance	ASTM D 751 Method A	800 psi min.
Blocking Resistance	ASTM D 751 180° F/82° C	#2 Rating max.
Adhesion-Ply	ASTM D 413 Type A	15 lb./in. min. or film tearing bond
Adhesion- Heat Welded Seam	ASTM D 751 Dielectric Weld	40 lb./2in. min.
Dead Load Seam Strength	ASTM D 751 4-Hour Test	Pass 240 lb./in. @ 70° F Pass 120 lb./in. @ 160° F
Bonded Seam Strength	ASTM D 751 Procedure A, Grab Test Method	550 lb. min.
Abrasion Resistance	ASTM D 3389 H-18 Wheel 1 kg Load	2,000 cycles min. before fabric exposure, 50 mg/100 cycles max. weight loss
Weathering Resistance	ASTM G 153	8,000 hours min. with no appreciable change or stiffening or cracking of coating
Water Absorption	ASTM D 471, Section 12 7 Days	0.025 kg/m <sup>2</sup> max. @ 70° F/21° C 0.14 kg/m <sup>2</sup> max @ 212° F/100° C
Wicking	ASTM D 751	1/8in max. (0.3 cm max.)
Bursting Strength	ASTM D 751 Ball Tip	950 lb. min.
Coefficient of Thermal Expansion/Contraction	ASTM D 696	8 x 10 <sup>-6</sup> in./in./° F max.
Environmental/Chemical Resistance Properties	ASTM D 741 7-day Total Immersion with Exposed Edges	NSF 61 approved for potable water

**AVAILABLE IN BLACK & TAN**