



30 MIL XR-5®

XR-5® 8130 REINFORCED	STANDARD	METRIC
Base Fabric Type ASTM D3776	Polyester	
Base Fabric Weight (nominal) ASTM D3776	6.5 oz/yd ²	220 g/m ²
Thickness ASTM D751	30.0 mils min.	0.76 mm min.
Weight ASTM D751	30.0 ± 2 oz/yd ²	1017 ± 70 g/m ²
Tear Strength ASTM #D 1117, Trapezoid Tear	35/35 lb _f min.	155/155 N min.
Breaking Yield Strength ASTM D751, Grab Tensile	550/550 lb _f min.	2447/2447 N min.
Low Temperature ASTM D2136, 4 hr - 1/8" mandrel	Pass @ -30 ° F	Pass @ -35 ° C
Dimensional Stability ASTM D1204, 212° F - 1 hr	1.5% max. each direction	
Adhesion - Heat Sealed Seam ASTM D751, Dielectric Weld	35 lb _f /2 in min.	15 daN/5 cm min.
Dead Load - Seam Shear Strength ASTM D751	2 in seam, 4 hr, 1 in strip 210 lb _f @ 70° F 105 lb _f @ 160° F	5 cm seam, 4 hr, 2.5 cm strip 934 N @ 21° C 467 N @ 70° C
Bursting Strength ASTM D751 Ball Tip	650 lb _f min. 800 lb _f typical	2892 N min. 3560 N typical
Hydrostatic Resistance ASTM D751, Method A	800 psi min.	5.51 MPa min.
Blocking Resistance ASTM D751 (180° F/82° C)	# 2 Rating max.	
Adhesion - Ply ASTM D413	15 lb _f /in min. or Film Tearing Bond	13 daN/5 cm min. or Film Tearing Bond
Bonded Seam Strength ASTM D751 as modified by NSF 54	550 lb _f min.	2447 N min.
Abrasion Resistance ASTM D3389 (H-18 Wheel, 1000 g load)	2000 cycles (min.) before fabric exposure 50 mg/100 cycles max weight loss	
Weathering Resistance ASTM G23 (Carbon-Arc)	8,000 hrs (min.) - No appreciable changes or stiffening or cracking of coating	
Water Absorption ASTM D471, Section 12, 7 days	0.025 kg/m ² max. @ 70° F/21° C 0.14 kg/m ² max. @ 212° F/100° C	
Wicking Shelter-Rite® Procedure	1/8 in max.	0.3 cm max.
Puncture Resistance ASTM D4833	250 lb _f min.	1112 N min.
Coefficient of Thermal Expansion/Contraction ASTM D696	8 x 10 ⁻⁶ in/in/°F max.	1.4 x 10 ⁻⁵ cm/cm/°C max.