LAYFIELD GEOSYNTHETICS

TECHNICAL SPECIFICATIONS

XR-5

XR-5® has been utilized for secondary containment for more than 30 years. XR-5® combines good resistance to combustible liquids (hydrocarbons) with a high-performance polyester base fabric. XR-5® is widely used as an exposed lining material, with outstanding long-term resistance to UV radiation. Exposed applications in equatorial climates often utilize XR-5® to combat extreme UV exposures.

April 2023

XR-5

Material Properties

Style	ASTM	XR-5® (8130)	XR-3® (8130) PW
Thickness (Nominal)	D751	30 mil 0.76 mm	30 mil 0.76 mm
Tensile Strength (MD/CD)	D751	550 / 550 lb ----- 2,450 / 2,450 N	550 / 550 lb ----- 2,450 / 2,450 N
Puncture Resistance	D4483	275 lb 1,200 N	275 lbs 1,200 N
Tear Strength (MD/CD)	D751	40x55 lb 175x245N	40x55 lb 175x245 N
Low Temperature	D2136 1/8" Mandrel	-30°F -35°C	-30°F -35°C
Dimensional Stability	D1204 (212°F - 1 hr)	0.5% max each direction	0.5% max each direction
Hydrostatic Resistance	D751 (A)	800 psi 5.51 mPa	800 psi 5.51 mPa

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