

Keytec MRC 1500 Material specification

PROPERTY		NORM	VALUE
Thickness		ASTM D-751/DIN 53370	0.91mm
Weight		ASTM D-751/DIN 53370	1092g/m ²
Dimensional Stability		ASTM D-1204/DIN 53377	0.5% max
Tear Strength	Long	DIN 53515	800N/mm
	Trans		771N/mm
Tensile Strength	Long	ASTM D-751 (grab tensile)	3646N
	Trans		3302N
Adhesion Weld		ASTM D-715/ASTM D-413	175N/5cm
Hydrostatic Resistance		ASTM D-751	577N/cm ²
Abrasion		ASTM D-4060 Taber method	33mg/100cycles
Puncture Resistance		ASTM D-751/D-4833	1238N
Bursting Strength		ASTM D-751 (ball trip)	3347N
Thermal Expansion Coefficient		ASTM D-696	1.8 × 10 ⁻⁵ mm/mm/°c
Low Temperature Resistance		ASTM D-2136	To -35°c
Roll Width			2.5m
Roll Length			200m

MRC1500 is a synthetic reinforced membrane based on a polyester textile which is molecularly coated with a high quality resin. The polyester tissue gives high mechanical properties to the membrane while the coating provides the waterproofing and chemical resistance. The tissue consists of polyester threads. The polyester tissue is firstly impregnated with a resin to avoid all wicking effects; then the tissues are coated with a resin. This resin is an "interethylene polymer resin" which provides the membrane with a high resistance against petroleum products and other chemicals. MRC1500 membrane is very flexible and has a high dimensional stability.

Keytec MRC 1500 Suggested specification

Keytec MRC1500 is a synthetic reinforced membrane based on a polyester textile which is molecularly coated with a high quality resin. It has a mass per unit area of 1092 gm² and a thickness of 0.91mm.