

# Materials Physical Property Comparison

## -Type IV Fiberglass Felt vs. 170 G/M2 Polyester Felt-

Test Method	Fiberglass	Poly-Felt 265 VP
Puncture Resistance (lbs) ASTM D-4830	20	50
Fatigue Resistance(cycles) ASTM D-813	<10	>10,000
Tensile Strength (lbs) ASTM D-146	44 x 44	74 x 51
Elongation (%)	<3	27
Weight per Roll (lbs) Roll Size	60 5 sq	40 10 sq

Test Method	Asphalt	KLB-100
Fatigue Resistance(cycles) (1 cycle/min between 1mm-2mm at 77°F)	<20	>10,000
Cold Temperature Bend (Pass) (1" mandrel in 5 sec)	+39°F	-10°F
Elongation (%) ASTM D-412	40	>1000
Self Healing	NO	YES
Inter-Ply Adhesion	1	10 X