铁路隧道专用PE / EVA / ECB单层防水板的理化指标　　科技基[2008]21号标准

PE / EVA / ECB geomambrane specification (Especially used in tunel)

序号 No.	项目 Items			指标 Value		
				EVA	ECB	PE
1	厚度, mm　Thickness			0.2~4		
2	宽度, m　Width			2.5~8m		
3	断裂拉伸强度, MPa　Tensile strength at break		≥	18	17	18
4	扯断伸长率, %　Elongation at break		≥	650	600	600
5	撕裂强度, kN/m　Tear strength		≥	100	95	95
6	不透水性, 0.3MPa/24h　Impermeability			无渗漏	无渗漏	无渗漏
7	低温弯折性, ℃　Bending at low tempreture		≤	-35	-35	-35
8	加热伸缩量 mm Stretch tensor at heating	延伸 Elongation	≤	2	2	2
		收缩 Shrink	≤	6	6	6
9	热空气老化(80℃×168h) Air oven aging	断裂拉伸强度, MPa Tensile strength at break	≥	16	14	15
		扯断伸长率, % Elongation at break	≥	600	550	550
10	耐碱性[饱和 $Ca(oH)_2$ 溶液 x 168h] Anti-alkali (saturatln Solution of $Ca(OH)_2$×168h)	断裂拉伸强度, MPa tensile strength at break	≥	17	16	16
		扯断伸长率, % Elongation at break	≥	600	600	550
11	人工候化 Nuture weathing at manual simulation	断裂拉伸强度保持率, % rensile strength at break retained, %	≥	80	80	80
		扯断伸长率保持率, % Elongation at break retained, %	≥	70	70	70
12	刺破强度, N Puncture strength	1.5mm		300	300	300
		2.0mm		400	400	400
		2.5mm		500	500	500
		3.0mm		600	600	600