APP Bitumen Waterproofing Membrane Test Report

No.	Itens		Index				
			I		II		
			PY	G	PY	G	PYG
1	Soluble matter content/(g/m²) ≥	3mm	2100				—
		4mm	2900				—
		5mm	3 500				
		TestingPhenomenon	—	Non-combustible base	—	Non-combustible base	—
2	Heat Resistance	℃	110		130		
		≤mm	2				
		Test phenomena	No dripping				
3	Low Temperature Flexibility /℃		---7		--15		
			no crack				
4	Water Impermeability 30 min		0.3 MPa 0.2 MPa		0.3 MPa		
5	Tensile Force	Maximum peak pulling force /(N/50 mm) ≥	500	350	800	500	900
		Secondary peak pulling force /(N/50 mm) ≥	—	—	-----	—	800
		Test phenomena	During the stretching process, there is no asphalt coating cracking or separation from the base in the middle of the specimen				
6	Extensibility	Maximum Peak Elongation/%≥	25	40	—		—
		Second Peak Elongation/% ≥	—				15
7	Mass increases after immersion /%≤	PE、S	1.0				
		M	2.0				
8	Heat Deterioration	Tension retention rate/% ≥	90				
		Extension retention rate/% ≥	80				
		Low Temperature Flexibility /℃	-2		一 10		
			no crack				
		Rate of dimensional change /% ≤	0.7	一一	0.7	—	0.3
		Mass Loss /% ≤	1.0				
9	Joint Peel Strength/(N/ mm) ≥		1.0				
10	Tear Strength of the Nail Bar */N≥		—				300
11	Mineral particle adhesion*/g≤		2.0				
12	Thickness of Asphalt Coating on Lower Surface of Sheet /mm≥		1.0				
13	Artificial Climate Accelerates Aging	Appearance	No Sliding, Flowing or Dripping				
		Tension Retention Rate% ≥	80				
		Low Temperature Flexibility℃	-2		一 10		
			No Crack				

a Only applicable to single layer mechanical fixation construction method of sheet.

b Rolls that are only suitable for mineral particle surfaces.

c Rolls suitable only for hot melt construction.