

JOABOA TECH--Test Report of 1.2mm Thickness PVC Waterproofing Membrane(Exposed, Polyester Reinforced Type)

No.	Test Items			Chinese Standard GB 12952-2011	Actual Measurement	Test Result
1	Tensile Properties	Maximum Pulling Strength, N/cm	Longitudinal Direction	≥250	313	Approval
			Horizontal Direction		292	Approval
		Elongation at Break, %	Longitudinal Direction	≥15	27	Approval
			Horizontal Direction		29	Approval
2	Dimension Change Rate after Heat Treatment, % Longitudinal Direction Horizontal Direction			- ≤0.5	0.3	Approval
2					0.1	Approval
3	Low Temperature Flexibility			-25°C, no cracking	-25°C, no cracking	Approval
4	Watertightness			0.3MPa, 120min	Impermeable	Approval
5	Anti-impact Property			0.5kg • m	Impermeable	Approval
6	Peel Strength of Overlapping Parts, N/mm			≥3.0 or membranes are damaged	3.2	Approval
7	Trapezoidal Tear Strength,		Longitudinal Direction	>250	603	Approval
'		N	Horizontal Direction	≥250	452	Approval
0	Water Absor	ption(70°C, 168h),	After Immersed in Water	≤4.0	3.2	Approval
8	%		Get Dry	≥-0.40	1.09	Approval

地址(ADD):中国深圳市福田区上梅林卓越城中心广场北区2栋16楼 邮编(Post):518049 深圳市卓宝科技股份有限公司 SHENZHEN JOABOA TECHNOLOGY CO.,LTD.

BIOTO 16th,No. 2 North Area,Excellence City Central Square,Meilin,Futian Dist.,Shenzhen, Guangdong,China.

电话(Tel):(+86) 0755-36800118 传真(Fax):(+86) 0755-33052266 www.zhuobao.com

9	Chemical Resistance (Salt Treatment)	Visual Test		No bubbling, cracks, delamination, bonding and holes	No bubbling, cracks, delamination, bonding and holes	Approval
		Retention Rate of Tensile Strength, %	Longitudinal Direction	≥85	96	Approval
			Horizontal Direction		98	Approval
		Retention Rate of Elongation, %	Longitudinal Direction	≥80	98	Approval
			Horizontal Direction		98	Approval
		Low Temperature Flexibility		-20°C, no cracking	-20°C, no cracking	Approval
10	Chemical Resistance (Alkali Treatment)	Visual Test		No bubbling, cracks, delamination, bonding and holes	No bubbling, cracks, delamination, bonding and holes	Approval
		l'ensile Strength, %	Longitudinal Direction	- ≥85	92	Approval
			Horizontal Direction		91	Approval
		Retention Rate of Elongation, %	Longitudinal Direction	≥80	98	Approval
			Horizontal Direction		98	Approval
		Low Tempera	ture Flexibility	-20°C, no cracking	-20°C, no cracking	Approval
11	Chemical Resistance (Acid Treatment)	Visual Test		No bubbling, cracks, delamination, bonding and holes	No bubbling, cracks, delamination, bonding and holes	Approval
		Retention Rate of	Longitudinal Direction	≥85 97 98	97	Approval
		Tensile Strength, %	Horizontal Direction		98	Approval
		Retention Rate of Elongation, %	Longitudinal Direction	≥80	101	Approval
			Horizontal Direction		105	

地址(ADD):中国深圳市福田区上梅林卓越城中心广场北区2栋16楼 邮编(Post):518049

			Low Temperature Flexibility		-20°C, no cracking	-20°C, no cracking	Approval
12		Thermal Aging Treatment (80°C, 672h)	Visual Test		No bubbling, cracks, delamination, bonding and holes	No bubbling, cracks, delamination, bonding and holes	Approval
			Retention Rate of Tensile Strength, %	Longitudinal Direction	≥85	96	Approval
				Horizontal Direction		89	Approval
			Retention Rate of Elongation, %	Longitudinal Direction	≥80	110	Approval
				Horizontal Direction		97	Approval
			Low Temperature Flexibility		-20°C, no cracking	-20°C, no cracking	Approval
		Artificial Weathering Test (2500h)	Visual Test		No bubbling, cracks, delamination, bonding and holes	No bubbling, cracks, delamination, bonding and holes	Approval
			Retention Rate of	Longitudinal Direction	- ≥85	107	Approval
13	3 W		Tensile Suengui, 70	Horizontal Direction		99	Approval
				Longitudinal Direction	≥80	106	Approval
				Horizontal Direction		110	Approval
			Low Temperature Flexibility		-20°C, no cracking	-20°C, no cracking	Approval