Chlorine Water (Swimming Pool Water) Resistant Test Report

Department: R&D

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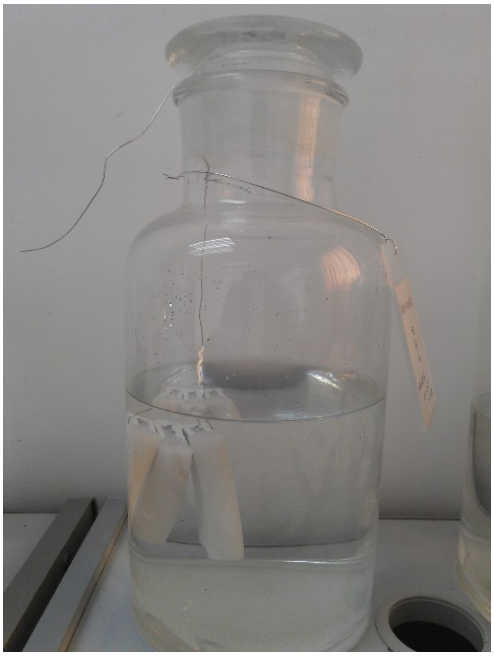
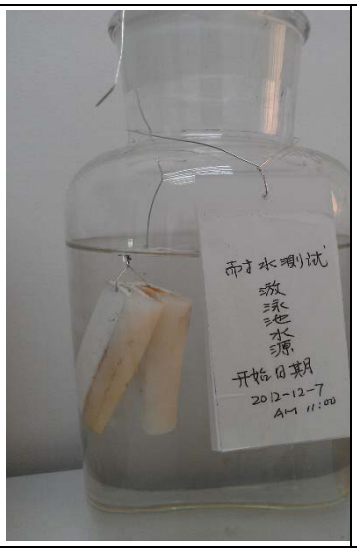
Test Equipment	**Glass jar + Swimming pool (Chlorine) water**	
		
Test Purpose	**Observe and measure the performance of PVC and its resistance to swimming pool water.**	
Test Condition	**1. Product is completely immersed under swimming pool water** **2. Product is in a static state**	
Test Environment	**1. Normal room temperature** **2. Typical indoor environment**	
Test Photo	**Example Photos**	**Remark**
	 	**Comparison of immersed sample and non-immersed sample**

Test Project：Chlorine Water Resistant

			**States in water and outside of water after 88 days of immersion**
Test Method	**1. Prepare samples and make sure they're from the same batch.** **2. Select 4PCS of 10CM samples.** **3. Take photos of the 4 samples before immersion. Keep 2PCS of the samples not immersed as comparison. Record color and appearance features of the other 2PCS of samples before immersion.** **4. Record color changing and appearance features of samples immersed under swimming pool water every 4 days.** **5. Keep testing until obvious changes of product color and appearance.** **6. Record cycle period of changes of color and appearance.**		
Test Conclusion	**Conclusion Description**		
	First test	**Color and appearance has no change**	
	On 12th day	**Color shows a little slight yellowing**	
	On 20th day	**Color shows a little further yellowing**	
	On 28th day	**Color shows further yellowing**	
	On 36th day	**Color shows slightly partial cyan**	
	On 40th day	**Color shows further cyan**	
	On 48th day	**No obvious change since last time**	
	On 88th day	**No obvious change since last time**	
Test Summary	**Over long-term immersion, neon flex's PVC reacted with swimming pool water - resulting in a color shift towards yellow/cyan - but resulted in no impact on the overall lighting effect of the product and its waterproofing abilities.**		