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中国认可  
检测  
TESTING  
CNAS L4566



交通GJC交工2020-004

# TEST REPORT

No. 2021JBX0001

Name of Product: Preformed pavement marking tape

Client: Sichuan Jiangyou Yushu Yeshili Reflective Material Co., Ltd.

Test Category: Sampling Test

Date:



CATS Testing Technology (Beijing) Co., Ltd.



## Statement

- 1.The report is responsible only for the samples.
- 2.The report must be stamped with the company inspection special seal.
- 3.Partial copy or modification of the report is invalid.
- 4.Any objection to the report, should submit objections within 15 days from the receipt of the report.
- 5.We are responsible for the keeping and secrecy of the original documents and related data.

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Sample Name	Preformed pavement marking tape	Sample Number	2021JBX0001
Specification & Model	Type II long-lasting class II reflective class B anti-slip white marking tape	Sample Status	White, no cracks, clear boundary, straight, no damage
Client	Sichuan Jiangyou Yushu Yeshili Reflective Material Co., Ltd.	Contact Information	Mr. Huang, 18011105727
Manufacturer	Sichuan Jiangyou Yushu Yeshili Reflective Material Co., Ltd.	Test Category	Sampling Test
Sampling Location	The finished product warehouse of manufacturer on No. 270, east section of Dapeng Road, Jiangyou Industrial Development Zone, Mianyang City, Sichuan Province	Sample Quantity	40m/ volume, 9 volumes
Sampling Amount	1m/ pcs, 3 pcs	Serial Number/ Production Date	20210420
Sampling Person	Bian Jun, Shen Yazu	Sampling Date	2021/04/24
Test Location	Shunyi Laboratory	Receiving Date	2021/05/13
Test Equipment	Page 2	Test Date	2021/05/13~05/20
Test Item	1. Physical properties(Appearance quality, Thickness) 2. Colorimetric properties(Surface color) 3. Luminosity properties(Coefficient of retroreflected luminance) 4. Water resistance 5. Alkali resistance 6. Abrasion resistance 7. Adhesion (24℃) 8. Anti-skid properties		
Test Basis	GB/T 24717-2009 "Preformed pavement marking tape"		
Judgement Basis	GB/T 24717-2009 "Preformed pavement marking tape"		
Test Results	<p>According to the technical specification of GB/T 24717-2009 "Preformed pavement marking tape", the preformed pavement marking tape produced by Sichuan Jiangyou Yushu Yeshili Reflective Material Co., Ltd., had been sampled and tested in laboratory. The test result meet the requirements of the white type II long lasting class II reflective class B anti-slip marking tape technical indicators in the standard.</p> <div style="text-align: right;">  <p>Date: May 28, 2021 (Seal)</p> </div>		
Comments	—		
Reported by		Audited by	
		Approved by	



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Main equipment of test			
Number	Equipment	Specification Model	Equipment ID
1	Marking thickness gauge	ZMM-5000	JG-225
2	Marking retroreflection coefficient tester	Stripemaster II -touch	JG-322
3	20kN microcomputer controlled electronic universal testing machine	CMT4204	JG-040
4	Pendulum friction coefficient tester	BM-III	JG-176
5	Double head abrasion tester	JM-VI	JG-272
6	Electronic balance	JJ324BC	JG-180
7	Spectrophotometer	CM-2500C	JGZ-035



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Sample Name		Preformed pavement marking tape				Sample Number	2021JBX0001	
Specification & Model		Type II long-lasting class II reflective class B anti-slip white marking tape						
Ambient Condition		(23±2)°C / (50±5)%RH				Test Location	Shunyi Laboratory	
Test Items		Technical specification (Type II long-lasting class II reflective class B anti-slip white marking tape)				Test result	Conclusion	
Physical properties	Appearance quality	The Preformed pavement marking tape should be flexible and easy to form.				Meet the specification	Conformity	
		The marking tape should be clean, no cracks, clear boundary, straight and no damage.				Meet the specification		
	Thickness	The thickness of the marking tape should be 0.3mm to 2.5mm.				1.6mm		
Chromaticity properties (Surface color)		Chromaticity coordinates <sup>a</sup>	1	2	3	4	x=0.314 y=0.333	Conformity
		x	0.355	0.305	0.285	0.335		
		y	0.355	0.305	0.325	0.375		
		Luminance factor	≥0.35					
Luminosity properties (Coefficient of retroreflected luminance $R_L$ ) $\text{mcd} \cdot \text{m}^{-2} \cdot \text{lx}^{-1}$		Observation angle: 1.05°, Entrance angle: 88.76°, $R_L \geq 250$				300	Conformity	
Water resistance		The marking tape should be no obvious discoloration, peeling, shrinkage, cracking or other abnormalities after soaking in 23°C±2°C water for 24 hours.				Normal	Conformity	
Alkali resistance		The marking tape should be no obvious abnormal phenomena such as fading, peeling, shrinking, cracking or other abnormalities after soaking in saturated Ca(OH) <sub>2</sub> solution.				Normal	Conformity	
Abrasion resistance		After turning 200 revolutions under 1000g-load, the weight loss of the marking tape should be no more than 60mg.				14mg	Conformity	
Adhesion (24°C)		≥4.88N				18.27N	Conformity	
Anti-skid properties		≥55BPN				56BPN	Conformity	
Note		<sup>a</sup> Light source: Standard light source D <sub>65</sub> , Lighting and observation geometric conditions: 45/0. The test data of three test points should be within the graph range composed of the above four points, and the average value of the test data of three test points should be taken as the test result.						

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