

TEST REPORT

No. : QDIN2304000791ML01_EN

Date : 2023-05-05

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scan to see the report



QDIN2304000791ML01

CUSTOMER NAME: ZHENGZHOU HARDTAPE NEW MATERIALS TECHNOLOGY CO.,LTD
ADDRESS: NO.101,BUILDING Z1,XI YA TU INDUSTRIAL PARK,NORTHWEST CORNER OF JIANSHE ROAD AND FEILONG ROAD,XING YANG CITY,HENAN PROVINCE,CHINA POST CODE:450100

Sample Name : galvanized steel cord
Product Specification : 3+2*0.37HT
Product or Lot No. : ZZHT202211
Manufacturer : zhengzhou hardtape new materials technology co.ltd
Material and Mark : SWRH82B
Heat No. : W232009420

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Test Required : Tensile Test, Linear Density, Length of Lay, Cord construction, Lay direction, Welds number, Filament diameter, Residual torsion, Weight of Zinc Coating Test
Date of Receipt : 2023-04-17
Testing Period : 2023-04-17 ~ 2023-05-05
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services (Qingdao) Co., Ltd..

Rose wang

Rose Wang
Authorized signatory



SGS-CSTC Standards Technical Services (Qingdao) Co., Ltd.

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SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101
中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

t (86-532) 68999888 www.sgs.com.cn
t (86-532) 68999888 sgs.china@sgs.com

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1. Tensile Test

Sample Description: See photo

Test Method: ASTM D2969-04

Test Condition:

Testing speed: 20mm/min

Grip length: 1000mm

Lab Environmental Condition: 23±2°C, 50±5%RH

Test Result:

Test Item	Test Result	Client's requirement	Conclusion
Breaking load	1610N	1500-1650N	Pass

Note: Test specimens were cut from the sample.

Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Universal Material Testing Machine	3367	POL-PL-E027	2023-04-08	2024-04-07

2. Linear Density

Sample Description: See photo

Test Method: ASTM D2969-04

Test Condition:

Specimen: 1m

Lab Environmental Condition: 23±2°C, 50±5%RH

Test Result:

Test Item	Test Result	Client's requirement	Conclusion
Linear Density	4.27g/m	4.3±0.2g/m	Pass

Note: Test specimens were cut from the sample.



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SGS-CSTC (Shandong) Technical Services (Qingdao) Co., Ltd.

SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101

t (86-532) 68999888 www.sgsgroup.com.cn

中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

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Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Electron Balance	XPE204	POL-PL-E008	2023-01-04	2024-01-03

3. Length of Lay

Sample Description: See photo

Test Method: Provided by client

Method Description: Place a sheet of white paper or carbon paper over a straight-length section of the specimen and rub the paper with a pencil to form a relief impression. Measure the distance between 10 nodes and divide by 10 to obtain the lay length.

Lab Environmental Condition: 23±2°C, 50±5%RH

Test Result:

Test Item	Test Result	Client's Requirement	Conclusion
Length of Lay	19.0mm	17mm-19mm	Pass

Note: Test specimens were cut from the sample.

Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Straight Steel Ruler	300mm	POL-PL-E018	2022-10-21	2023-10-20

4. Cord construction

Test Method: Provided by client

Test Result:

Test Item	Test Result	Client's Requirement	Conclusion
Cord construction	3+2*0.37	3+2*0.37	Pass

Note: The results comply with the client's requirement.



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5. Lay direction

Test Method: ASTM D2969-04

Test Result:

Test Item	Test Result	Client's Requirement	Conclusion
Lay direction	S	S	Pass

Note: The results comply with the client's requirement.

6. Welds number

Test Method: Visual inspection

Test Result:

Test Item	Test Result	Client's Requirement	Conclusion
Welds number	0	No more than 3 per coil	Pass

Note: The results comply with the client's requirement.

7. Filament diameter

Test Method: EN10324:2004

Test Result:

Test Item	Test Result	Client's Requirement	Conclusion
Filament diameter	0.373mm	0.365mm~0.375mm	Pass

Note: The results comply with the client's requirement.

8. Residual torsion

Test Method: ASTM D2969-04

Test Result:

Test Item	Test Result	Client's Requirement	Conclusion
Residual torsion	+1 r/6m	±0~3r/6m	Pass

Note: The results comply with the client's requirement.



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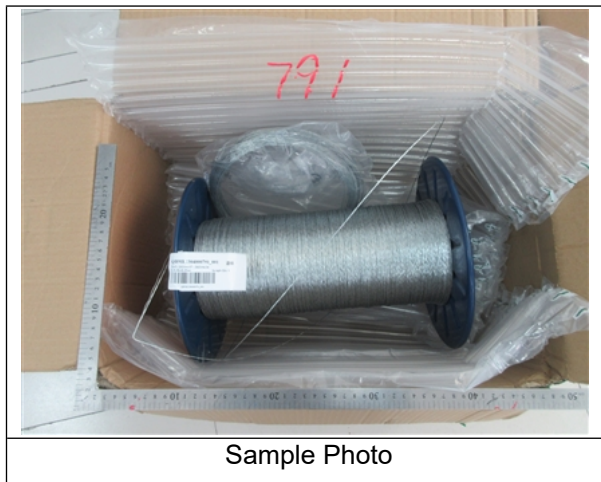
9. Weight of Zinc Coating Test:

Test Method: ASTM A90/A90M-21& client's requirement

Sample	Weight of Zinc coating (g/ Kg)			Average (g/Kg)	Req. (g/Kg)	Con.
001	38.91	40.88	38.60	39.46	≥30	Pass

Note: 1. The results comply with the client's requirement.

2.The coating information is supplied by the client.



*****End of report*****

The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc...and just for internal reference.



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