

TECHICAL SPECIFICATION

No. : TJIN22000741ML01_EN

Date : 2024-03-07

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Sample Name : SUSPENSION T-GRIDS

Product Specification : 1/ 32*24*0.3*3660

2/ 26*24*0.3*1220

3/ 26*24*0.3*610

4/ 22*22*0.4*3600

Material and Mark : Q235

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.

SGS Ref. No. : TJG/20220620/SDWE/001IT1

Date of Receipt : 2024-02-24

Testing Start Date : 2024-02-24

Testing End Date : 2024-03-07

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)

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1. Chemical Composition Analysis

Test Method: C, S: IR Absorption after combustion; Others: ICP

Element	C	Si*	Mn*	P*	S
1-Result, %	0.07	<0.01	0.20	0.012	0.007
2-Result, %	0.09	0.01	0.22	0.017	0.009
3-Result, %	0.05	<0.01	0.18	0.017	0.014
4-Result, %	0.07	<0.01	0.23	0.017	0.008

Note: The testing item marked * was carried out by subcontractors.

2. Tensile Test

Test Method: ASTM A370-20

Test item	Specimen type	Tensile strength (MPa)	Yield strength (MPa)	Elongation after fracture G=50mm (%)
1	Rectangular specimen	435	412	23.0
2	Rectangular specimen	480	418	21.0
3	Rectangular specimen	409	356	25.5
4	Rectangular specimen	403	402	30.0

3. Weight of Coating Test (Double sides)

Test Method: EN 10346:2015(E)

Sample	Weight of Coating (g/m ²)			Average (g/m ²)
5	118	118	117	118

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4. Test item: Dimension Measurement

Test standard: Customer requirement

No	Test item	Nominal value	Measure result	Test equipment
Sample 1:32*24*0.3*3660				
1	Height(mm)	32	31.50	Caliper
2	Width(mm)	24	24.05	Caliper
3	Thickness(mm)	0.3	0.26	Micrometer
Sample 2:26*24*0.3*1220				
1	Height(mm)	26	26.00	Caliper
2	Width(mm)	24	23.50	Caliper
3	Thickness(mm)	0.3	0.29	Micrometer
Sample 3:26*24*0.3*610				
1	Height(mm)	26	25.73	Caliper
2	Width(mm)	24	23.75	Caliper
3	Thickness(mm)	0.3	0.23	Micrometer
Sample 4:22*22*0.4*3600				
1	Height(mm)	22	21.05	Caliper
2	Width(mm)	21	20.83	Caliper
3	Thickness(mm)	0.4	0.395	Micrometer

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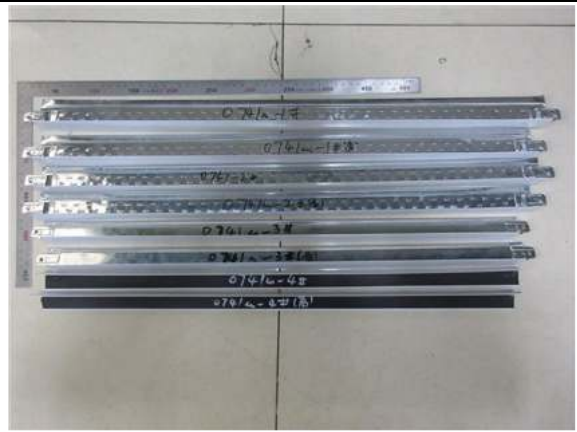
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The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc... and just for internal reference.



Sample Photo



Sample Photo



Sample Photo

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