

PARABRISAS CITSA DE MEXICO S.A. DE C.V. TEST REPORT

SCOPE OF WORK

ANSI Z26.1-1996, AS-2 testing on Pruebas de probetas No. 02 de material color filtrasol de espesor 4 mm

REPORT NUMBER

103636861GRR-001c

ISSUE DATE

01-October-2018

PAGES

8

DOCUMENT CONTROL NUMBER

RT-GRR-001 (16-May-2018)

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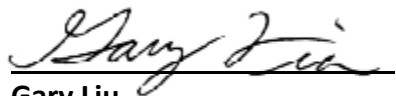
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Date: 01-October-2018
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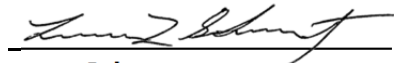
SECTION 1

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SECTION 2

SUMMARY

Date Received: 19-September-2018
Dates Tested: 27-September-2018

DESCRIPTION OF SAMPLES

Part Description: Pruebas de probetas No. 02 de material color
filtrasol de espesor 4 mm
Material Submitted: 15 of 12" x 12" Gray Glass
Material Specification: ANSI Z26.1-1996, AS-2
Condition of Samples: Production

WORK REQUESTED/APPLICABLE DOCUMENTS

ANSI Z26.1-1996, AS-2
Intertek quote Qu-00910671-0

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SECTION 3

CONCLUSION

TEST	RESULTS
5.6 Impact, Ball, 3.05m (10ft)	Conforming

SAMPLE DISPOSITION

After testing completed, samples were rendered unusable and then disposed of.

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SECTION 4

5.6 IMPACT, BALL, 3.05M (10FT):

Date Received: 19-September-2018
Date Tested: 27-September-2018
Location Tested: Intertek Kentwood, MI

DESCRIPTION OF SAMPLES:

Part Description: Pruebas de probetas No. 02 de material color
filtrasol de espesor 4 mm
Material Submitted: 15 of 12" x 12" Gray Glass
Material Specification: ANSI Z26.1-1996, AS-2
Condition of Samples: Production

TEST PROCEDURE:

Test Method: Per ANSI Z26.1-1996, AS-2 section 5.6
Condition: At least 4 hour 21°C to 29°C (70°F to 85°F) immediately
was preceding the test.
Fixture: Steel frame
Impactor: 225 g (224 to 230) g (0.5 pound ± 0.1 oz) smooth, steel
sphere.
Height: 3.05 m (10 feet), once, freely and from rest, strike 25 mm
(1 inch) from center.
Side: Exterior side: Either side per client's email dated
09/05/18
Number of Samples: 12 of 305 mm x 305 mm (12 in x 12 in)

ACCEPTANCE CRITERIA:

Per ANSI Z26.1-1996, AS-2
Not more than two specimens shall crack or break as result of the test. (See also Test No. 7.)
Test No. 7 Acceptance Criteria:
No individual fragment free from cracks and obtained within 3 minutes subsequent to test shall
weigh more than 4.25 g (0.15 oz). Exclude the 75 mm radius of the impact center and 20 mm
around the periphery of the specimen.

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RESULTS:

Table 1: 5.6 Impact, Ball, 3.05m (10ft) Results Table

SPECIMEN	CRACK OR BREAK	IF BREAK, FRAGMENT FREE OF CRACK OR WEIGH MORE THAN 4.25 G	DISPOSITION
1	None	---	---
2	None	---	---
3	None	---	---
4	Break	0.51	---
5	None	---	---
6	Break	0.55	---
7	None	---	---
8	None	---	---
9	None	---	---
10	None	---	---
11	None	---	---
12	None	---	---
More than two specimens crack or break: No			Conforming

PHOTOGRAPHS:



Figure 1: 5.6 Impact, Ball, 3.05m (10ft) Before Impact, Sample 1



Figure 2: 5.6 Impact, Ball, 3.05m (10ft) Set-up



Figure 3: 5.6 Impact, Ball, 3.05m (10ft) After Impact, Sample 1, No Break



Sample 4

Sample 6

Figure 4: 5.6 Impact, Ball, 3.05m (10ft) After Impact, Sample 4 and 6, Breaks

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TEST EQUIPMENT:

ASSET NUMBER	EQUIPMENT	CALIBRATION DATE	CALIBRATION DUE
117393	Scale	10/12/2017	10/12/2018
117357	TAPE MEASURE 25ft	8/7/2018	8/7/2019
113694	Sartorius scale	10/12/2017	10/12/2018
113021	WEIGHTS OHAUS 0.01-100 GMS	11/30/2017	11/30/2018