



ANSI/SAE Z26.1-1996 (11.08.1997)
The approval tests of DOT 1081 M500 AS2



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| Requested by: FERCAM, Bursa, TURKEY

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Task **Tests on 5,0 mm nominal thickness clear tempered safety float glass, with or without opaque obscuration band, according to Standard ANSI/SAE Z26.1-1996 (11.08.1997), for use in all locations in a motor vehicle except for windshield.**

Designated DOT 1081 M500 AS2

Samples The samples were tested partly at FERCAM in Bursa, Turkey and partly at VTT Expert Services Ltd in Espoo, Finland.

Date of testing August 2016

Results Tempered glass panes made by FERCAM meet the requirements of Standard ANSI/SAE Z26.1-1996.

The test results are in APPENDICES 1-2.

The test methods referred to in this research report are accredited.

Espoo, 29 March 2017



Pekka Sipari
Product Manager



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Senior Expert

APPENDICES 2 pieces (2 pages)

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Data

Material of submitted samples is the following:

Nominal thickness: 5,0 mm ± 0,2 mm
 Colour: Clear
 Electric wires: -
 Attention: Opaque obscuration band

TEST RESULTS

<i>TEST No. 1 – Light Stability and TEST No. 2 – Luminous Transmittance</i>					
Sample [pcs]	Colour	Light transmittance before irradiation [%] Test 2: Min. 70 %	Light transmittance after irradiation [%] Test 2: Min. 70 %	Per cent of original transmittance [%] Test 1: Min. 95 %	Result
3	clear	89,8 / 89,8 / 89,7	89,7 / 89,8 / 89,7	99,9 / 100,0 / 100,0	complies

<i>TEST No. 6 – Impact Ball (227 g, height of drop 3,05 m)</i> Acceptance criterium: Min. 10/12			
Sample [pcs]	Colour	Breakage	Result
12	clear	none	complies

<i>TEST No. 7 – Fracture Test</i>				
Sample [pcs]	Colour	Electric wires	Max. weight of a fragment > 4,25 g [pcs]	Result
6	clear	-	none	complies

<i>TEST No. 8 – Shot Bag (Height of drop 2,44 m)</i>			
Acceptance criterium: Min. 4/5			
Sample [pcs]	Colour	Breakage	Result
5	clear	none	complies

<i>TEST No. 18 – Abrasion Resistance</i>						
Sample [pcs]	Colour	Haze of glass [%]	Haze of track [%]	Net haze [%]	Arithmetic mean [%] Max. 2 %	Result
3	clear	0,5 / 0,4 / 0,5	1,2 / 1,2 / 1,0	0,7 / 0,8 / 0,5	0,67	complies