

Test Report

No. 1037-PZA-17 Part 1

Rev. 0

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Test report contains	Main part and 1 annex
Number of pages	7
Product	Transparent welding curtains, screens and strips
Arrival of samples	2017-01-02 2 nd delivery: 2017-03-06
Period of testing	2017-01-26 to 2017-04-03
Test specifications	DIN EN ISO 25980 : 2015-01
Remarks	None

This test report relates to the mentioned test samples. Without the permission of the DIN CERTCO test centre Nürnberg this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any certification mark.

Nürnberg, 2017-04-03

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Test objects, tests and results

Based on the tables as written in the standard DIN EN ISO 25980, the main part assigns the test samples to the named tests. Each individual test result is documented in the annexes according to the named standards.

Signs and symbols:

- + meet the requirements
- ***do not meet the requirements***
- / not tested or not applicable
- Ab interruption of the testing sequence

The uncertainty of optical measurements corresponds to the required one in DIN EN 167.

Unless stated otherwise, the measurements were carried out in the main viewing point of the samples and, in the case of lenses with corrective power, at the applicable reference point.

Samples and summary of all test results

Type:	Transparent welding curtains, screens and strips, type "AP-8066"					
Test mark:	10372-PZA-17					
Number of delivered parts: role			Number of test samples: 10			
Test sequence	Requirements	According to		According to		Samples 737-11 to 737-20
		DIN EN ISO	Abs.	DIN EN ISO	Abs.	
1	Information for user	25980	6	25980	6	/
2	Luminous transmittance	25980	4.2	167	6	/
3	Spectral transmittance	25980	4.2	167	6	/
4	Hazard level	25980	4.2	25980	4.2	/
5	Spectral reflectance	25980	4.3	25980	4.3	/
6	Luminous reflectance	25980	4.3	25980	4.3	/
7	UV-stability	25980	4.4	168	6	/
8	Resistance to ignition	25980	4.5.6	25980	4.5	—
9	Eyelet strength	25980	4.6.1	25980	4.6	/
Individual results of each test sample see annex 1						

Marking:

	None
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2nd delivery from 2017-03-06:

Type:	Transparent welding curtains, screens and strips, type "AP-8066"					
Test mark:	10372-PZA-17					
Number of delivered parts: ca. 1 m ²			Number of test samples: 10			
Test sequence	Requirements	According to		According to		Samples 737-31 to 737-40
		DIN EN ISO	Abs.	DIN EN ISO	Abs.	
1	Information for user	25980	6	25980	6	+
2	Luminous transmittance	25980	4.2	167	6	+
3	Spectral transmittance	25980	4.2	167	6	+
4	Hazard level	25980	4.2	25980	4.2	+
5	Spectral reflectance	25980	4.3	25980	4.3	+
6	Luminous reflectance	25980	4.3	25980	4.3	+
7	UV-stability	25980	4.4	168	6	+
8	Resistance to ignition	25980	4.5.6	25980	4.5	+
9	Eyelet strength	25980	4.6.1	25980	4.6	+
Individual results of each test sample see annex 1						

Marking:

	None
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ANNEX 1

Type:	Transparent welding curtains, screens and strips, type "AP-8066"
Test mark:	10372-PZA-17

Description of the type

Condition of the test item at delivery:	Undamaged
Description:	Both sided shiny Colour: Dark green
Material:	Plastics

Resistance to ignition

Test ↓	Sample →	737-17	737-18	737-19
Flame did not reach the test line		+	+	+
Flame automatically went out		+	+	+
Glowing time after removal of the burner	s	15	5	1

Type:	Transparent welding curtains, screens and strips, type "AP-8066"
Test mark:	10372-PZA-17

2nd delivery from 2017-03-06:

Description of the type

Condition of the test item at delivery:	Undamaged
Description:	Both sided shiny Centre thickness: 0.4 mm Colour: Dark green
Material:	Plastics
Information:	Available and complete

Transmittance, hazard level and results after test of UV-stability

Test ↓	Sample →	737-31	737-32	737-33
Luminous transmittance based on CIE source A > 0,0001	%	0.9	1.0	0.9
Spectral transmittance $\tau(\lambda)$				
210 nm $\leq \lambda \leq$ 313 nm	%	< 0.002	< 0.002	< 0.002
313 nm $\leq \lambda \leq$ 400 nm	%	< 3	< 3	< 3
Hazard level < 1 (400 nm $\leq \lambda \leq$ 1400 nm)		0.66	0.57	0.59
Thickness of material	mm	0.4	0.4	0.4
Results after UV irradiation				
Luminous transmittance based on CIE source A after UV-irradiation	%	0.7	0.7	0.5
Relative change of luminous transmittance $\Delta\tau_v / \tau_{v1} * 100$	%	23.6*	29.8*	35.3*
Hazard level < 1 (400 nm $\leq \lambda \leq$ 1400 nm)		0.64	0.56	0.56

* higher values are allowed unless the level of hazard is not reached or exceeded

Type:	Transparent welding curtains, screens and strips, type "AP-8066"
Test mark:	10372-PZA-17

Luminous reflectance and spectral reflectance

Test ↓	Sample →	737-34	737-35	737-36
Luminous reflectance	%	4.9	4.8	4.8
Spectral reflectance 230 nm ≤ λ ≤ 400 nm	%	6.5	6.3	6.3

Resistance to ignition

Test ↓	Sample →	737-37	737-38	737-39
Flame did not reach the test line		+	+	+
Flame automatically went out		+	+	+
Glowing time after removal of the burner	s	0	0	0

Eyelet strength

Test ↓	Sample →	737-40
Eyelet strength		+