

**AIMPLAS**INSTITUTO TECNOLÓGICO
DEL PLÁSTICO**TEST CERTIFICATE****Number: 20-1158****Date of test: 21/04/2020****Date of certification: 04/05/2020****COMPANY**

INDUSTRIAS TAYG, S.L.U.

PETITIONER

Mr. Fran Martí

PANTALLA FACIAL PROTECTORA – BUILD referencia 918087**PANTALLA FACIAL PROTECTORA – CLINIC referencia 980015***- Code: 20-0969-1**- Description: Headband with face shield***PRODUCT NAME****TESTS PERFORMED ACCORDING
TO STANDARDS OR INTERNAL
PROCEDURES**

Determination of the properties of face shields according to standard UNE-EN 166 (April 2002) for the field of use 3: "Droplets and splashes of liquids" (Table 9).

RESULTS

As stated in the report AT-0641/20

PANTALLA FACIAL PROTECTORA – BUILD referencia 918087 PANTALLA FACIAL PROTECTORA – CLINIC referencia 980015						
Test	Test standard	Requirements according to product standard UNE-EN 166 Field of use 3 Droplets and splashes of liquids		Result	Conclusion	
General construction	UNE-EN 166	Eye protectors must be free of protrusions, sharp edges or other defect that may cause discomfort or injury during use.		Eye protectors are free of protrusions, sharp edges or other defect that may cause discomfort or injury during use.	OK ⁽¹⁾	
Materials	UNE-EN 166	No part of the eye protection that is in direct contact with the user should be made of materials known to cause irritation of the skin		The technical data sheets of the employed materials do not show any reference of skin irritation	OK	
Viewer	Recommendation	Material	Transparent: cellulose acetate, PVC, polycarbonate, PET, etc.	See Technical Data Sheets Annex III	OK	
		Finish	Backlighting observation of the material that no structural defects, such as ripples, horizontal strips, etc. are observed	Backlighting observation does not show structural defects		
		Measurement	See drawing in Annex II ⁽²⁾	See Table 1		
		Thickness (µm)	≥ 230 ⁽³⁾	240		
	UNE-EN 167	Transmittance (%)	≥ 74,4	90,2	OK ⁽⁴⁾	
Headbands (mm)	UNE-EN 166	Width ≥ 10		Front area	10	OK
				Elastic tape	10	
		Width ≥ 10		Adjustable		
Field of vision	UNE-EN 168	Eye protectors must have a field of vision that does not interrupt the eyes nor the lateral vision.		Eye protectors have a complete field of vision, both frontal and lateral	OK	
Increased robustness	UNE-EN 168	No fractures nor deformations should appear on the eye protection		No remaining deformation nor fracture are observed on the eye protection after impact	OK ⁽⁵⁾	
Stability at an elevated temperature	UNE-EN 168	No deformations nor defects should appear on the eye protection		No deformations nor defects appear on the eye protection	OK	
Resistance to ignition	UNE-EN 168	No part of the eye protection iginites nor continues incandescent after the rod has been removed		No part of the eye protection iginites nor continues incandescent after the rod has been removed	OK ⁽⁶⁾	
Droplets and splashes of liquids	UNE-EN 168	Face shields must have a complete field of vision, both frontal and lateral		Face shields have a complete field of vision, both frontal and lateral	OK	

⁽¹⁾ It is recommended to be careful with the edges of the sheet that makes up the transparent shield.

⁽²⁾ Requirement not included in the standard UNE-EN 166, but established on the drawing of the manufacturer, attached on Annex II.

⁽³⁾ Requirement not included on the standard UNE-EN 166, but established as a minimum to assure functionality.

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- (4) It is recommended to use an specific eye protection equipment when using the face shield in front of specific optical radiations
- (5) Although slight marks appear during the test, no remaining deformation is observed.
- (6) Compliance with this requirement is not considered critical as it is not included in the required functionalities of the healthcare field.

Electronic signature of the authorized signatories :



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