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Test Belgelendirme Araştırma ve Geliştirme Ticaret A.Ş.

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CLASSIFICATION REPORT FOR LIGHT TRANSMITTING FLAT MULTIWALL POLYCARBONATE (PC) SHEETS EXPOSED TO EXTERNAL FIRE – EN 13501-5

Report Number: SR15-06

Owner: POLİNET LTD. ŞTİ.

Product Definition : Light transmitting flat multiwall polycarbonate (PC) sheets

Trade Mark: MegaLux PC Multiwall Panel

Product Standard : EN 16153

Production Plant : İstanbul Mermeciler Yapı Koop. San. Sit. 5.Cadde No:20 Köşeler Köyü Dilovası
Gebze - Kocaeli

Prepared by Kemal ÇATKIN/ Laboratory As. 		Reviewed by Gülsüm ÖZGÜN/ Head of Testing Laboratory 
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1. Introduction:

This classification report defines the classification of transparent PC (polycarbonate) multi-wall sheet assigned to "MegaLux PC Multiwall Panel" produced by "POLİNET LTD. ŞTİ." in accordance with procedures given in EN 13501-5:2005+A1:2009.

2. Details of classified product:

2.1. General information:

The transparent PC (polycarbonate) multi-wall sheet manufactured by "POLİNET LTD. ŞTİ." with a trademark of "MegaLux PC Multiwall Panel" is used for internal and external roofs, walls and ceilings.

2.2. Description of the product:

The transparent PC (polycarbonate) multi-wall sheet assigned to "MegaLux PC Multiwall Panel" produced by "POLİNET LTD. ŞTİ." is described below depends on manufacturer's declarations.

Ürünün Markası	:	MegaLux PC Multiwall Panel
Origin of the product	:	PC (polycarbonate)
Reinforcement	:	-
Thickness	:	10mm-12mm-16mm-20mm
Lower surface covering	:	-
Upper surface covering	:	-
Colour	:	Transparent, Grey, Blue, Bronze, Opal,Gold, Cupper
Fire Retardant Type/Usage	:	-

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2.3. Product Standard:

EN 16153: Light transmitting flat multiwall polycarbonate (PC) sheets for internal and external use in roofs, walls and ceilings - Requirements and test methods.

3. Test reports and test results in support of this classification:

3.1. Test Report:

Name of laboratory	Name of sponsor	Test report ref. no.	Test method
TEBAR A.Ş.	POLİNET LTD. ŞTİ.	R1500036	ENV 1187-2

3.2. Test results:

Test Conditions: Test specimen is mounted at a roof pitch of 30° to horizontal plane and a forced airflow is passing over the exposed surface. A burning wooden crib is placed on the surface of the specimen.

Test Pitch: Roof pitch of 30° to horizontal plane

Substrate: -

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Test Results for MegaLux PC Multiwall Panel according to EN 13501-5

Parameter	Criteria		Test Results					Compliance
	Mean	Max	Spe. 1	Spe. 2	Spe. 3	Mean	Max	
Damaged length at 2 m/s – roof covering	≤ 0,550 m	≤0,800 m	0,315	0,290	0,300	0,302	0,315	Y
Damaged length at 2 m/s – substrate	≤ 0,550 m	≤0,800 m	-	-	-	-	-	Y
Damaged length at 4 m/s – roof covering	≤ 0,550 m	≤0,800 m	0,345	0,350	0,310	0,335	0,350	Y
Damaged length at 4 m/s – substrate	≤ 0,550 m	≤0,800 m	-	-	-	-	-	Y

4. Classification and field of application:

4.1. Reference of classification:

This classification has been carried out in accordance with clause 6.5.3, 7., 8.2. and 9. of EN 13501-5: 2005+A1:2009 "Fire classification of construction products and building elements - Part 5: Classification using data from external fire exposure to roofs tests".

4.2. Classification:

The transparent PC (polycarbonate) multi-wall sheet produced by "POLİNET LTD. ŞTİ." with trademark of "MegaLux PC Multiwall Panel" in relation to its external fire performance classified as below.

B_{ROOF} (t2)

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4.3. Field of application:

4.3.1. This classification is only valid for transparent PC (polycarbonate) multi-wall sheet which are to be used for walls, ceilings, roof heat insulation, sound insulation.

4.3.2. This classification is only valid for the products which complies with definition in clause 2 and produced in the manufacturing plant defined in this report.

5. Warning and Limitations:

5.1. This classification report does not represent type of approval or certification of the product.

5.2. This classification report is valid for 5 years period until **04th March 2020**.

Report	Name	Signature*	Date
Prepared by	Kemal ÇATKIN		04.03.15
Reviewed by	Gülsüm ÖZGÜN		04.03.2015

*For and on behalf of "POLİNET LTD. ŞTİ."

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