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TSE DENEY ve KALİBRASYON MERKEZİ BAŞKANLIĞI
Makina ve Yapı Malzemeleri Grup Başkanlığı
Yapı Malzemeleri Yangın ve Akustik Laboratuvarı Müdürlüğü

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HEADSHIP OF TSE TEST and CALIBRATION CENTER
CONSTRUCTION MATERIALS FIRE AND ACOUSTICS LABORATORY DIRECTORATE

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MUAYENE VE DENEY RAPORU
TEST REPORT



Test
TS EN ISO IEC 17025
AB-0001-T

AB-0001-T

371969

11-17

Deneyi Talep Eden : MT PLASTİK A.Ş.
(Adı, Adresi, Şehir vb.)
Customer (Name, Address, City etc.) (MT PLASTİK A.Ş.: I.O.S.B. İSTİKLAL MAH.6.CAD.NO:30/A BEYKÖY/DÜZCE - DÜZCE)

Deney Talep Tarihi/No : 26.10.2017 / 193426
Order Date / No
Numunenin Tanımı : NEO PVC FOAM, , , - , 1.00 set
(Cins, Marka, Tip, Tür, Model vb.)
Sample Description (Type, Mark, Model etc.) NEO PVC FOAM, , , - , 1.00 set

Numune Kabul Tarihi : 29.09.2017
Test Item Receipt Date
Samples have been taken by the manufacturer

Deneylerin Yapıldığı Tarih : 03.10.2017 - 15.11.2017
Date of Test

Uygulanan Standard / Metod : TS EN 13501-1 + A1:2013-04 Yapı mamulleri ve yapı elemanları - Yangın sınıflandırması- Bölüm I: Yangın karşısındaki davranış deneylerinden elde edilen veriler kullanılarak sınıflandırma
Applied Standard/Method TS EN 13501-1 + A1:2013-04 Fire classification of construction products and building elements -
Part 1: Classification using test data from reaction to fire tests

Raporun Sayfa Sayısı : 4 (23 sayfa ek)
Number of pages of the report

Açıklamalar :
Remarks English copy of the classification report.

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The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

Bu rapor özel deney talebine istinaden düzenlenmiş olup, Standartlara Uygunluk Belgesi niteliğinde değildir. Partiyi temsil etmez, ayrıca ilan, reklam ve ihalelerde uygunluk belgesi niteliğinde kullanılamaz.

Mühür
Seal
15.11.2017

Deney Sorumlusu
Person in charge of tests
Alpay SÜMER
TSE Uzmanı

Kontrol Eden
Reviewer
Sencer GÜVEN
Teknik Şef

Onaylayan
Approved by
Metehan ÇALIŞ
Laboratuvar Müdürü

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This test report represents only tested sample(s), and shall not be used as Product Certificate



REACTION TO FIRE CLASSIFICATION

1 Introduction

This classification report defines the classification assigned to the product “3 mm NEO PVC FOAM” in accordance with the procedures given in the standard TS EN 13501-1+A1: 2013 Fire classification of construction products and building elements – Part 1: Classification using data from reaction to fire tests.



REACTION TO FIRE CLASSIFICATION ACCORDING TO TS EN 13501-1

Sponsor	MT PLASTİK A.Ş. 1. OSB İstiklal Mah. 1. Cad. No:30/A Beyköy DÜZCE
Prepared by	TSE Yapı Malzemeleri Yangın ve Akustik Laboratuvar Müdürlüğü
Product name	3 mm NEO PVC FOAM
Date of issue	15.11.2017

This classification report consists of 4 pages and may only be used or reproduced in its entirety.

2 Details of Classified Product

2.1 General

The classified product is defined as a flat foam sheet made of polyvinylchloride.

2.2 Product description

The descriptive properties of the product are given in the below table

Weight per unit area	Approximately 1.5 kg/m ²
Thickness	3 mm
Color and surface	White, matte, smooth surface

3 Test Reports and Results in Support of This Classification Report

3.1 Reports

Following test reports were taken into account in the determination of this classification.

Laboratory	Sponsor	Test Report Ref. No	Test Method
TSE Construction Materials Fire and Acoustics Laboratory	MT PLASTİK A.Ş. DÜZCE	371959 / 11-17	TS EN ISO 11925-2: 2011
TSE Construction Materials Fire and Acoustics Laboratory	MT PLASTİK A.Ş. DÜZCE	371966 / 11-17	TS EN 13823: 2010 +A1: 2014



REACTION TO FIRE CLASSIFICATION

3.2 Results

Results of the above mentioned test reports and the classification criteria corresponding to class C-s2, d0 are given in the following table.

Test Method	Parameter	No. of Tests	Test Results	
			Mean of Continous Parameters	Non-continous Parameters
TS EN ISO 11925-2 (30 s surface exposure)	$F_s \leq (150 \text{ mm})$ in 60 s	6	(-)	Flames did not reach 150 mm treshold
	No ignition of filter paper		(-)	No ignition
TS EN 13823+A1	$FIGRA_{0,4 \text{ MJ}} \leq 250 \text{ W/s}$	3	77,03	(-)
	LFS < Edge of sample		(-)	LFS < Edge of sample
	$THR_{600s} \leq 15 \text{ MJ}$		2,06	(-)
	$SMOGRA \leq 180 \text{ m}^2/\text{s}^2$		89,84	(-)
	$TSP_{600s} \leq 200 \text{ m}^2$		115,31	(-)
	No flaming droplets in 600 s		(-)	No flaming droplets in 600 s

(-) Not applicable

4 Classification and Direct Field of Application

4.1 Reference of classification

This classification has been carried out in accordance with clauses 11.5, 11.9.3 and 11.10.1 of TS EN 13501-1 + A1: 2010.

4.2 Classification

In relation to its reaction to fire behaviour, the product “3 mm NEO PVC FOAM” has been classified as:
C

In relation to its smoke production behaviour, the product “3 mm NEO PVC FOAM” has been classified as:
s2

In relation to its flaming droplets behaviour the product “3 mm NEO PVC FOAM” has been classified as:
d0

Fire behaviour	Smoke production	Flaming droplets
C	s2	d0

Reaction to Fire Classification: C-s2, d0





REACTION TO FIRE CLASSIFICATION

4.3 Field of application

This classification is valid for the products that are manufactured in the same type, with the same recipe, color, thickness and under the same product name within the end use applications that involve a 80 mm or larger air gap behind the product and where mechanical fixing elements are used for mounting.

5 Limitations

At the time of publishing of the standard TS EN 13501-1+A1: 2013, there wasn't any decision concerning the duration of validity of a classification report

The present document represents neither type approval nor certification of the product.

End of classification report.

