



TÜRK STANDARLARI ENSTİTÜSÜ
DENEY ve KALİBRASYON
MERKEZİ BAŞKANLIĞI
YAPI MALZEMELERİ YANGIN VE AKUSTİK
LABORATUVAR MÜDÜRLÜĞÜ



Test
TS EN ISO/IEC 17025
AB-0001-T

AB-0001-T
299875
09-22

TURKISH STANDARDS INSTITUTION
HEADSHIP OF TSE TEST and CALIBRATION CENTER
CONSTRUCTION MATERIALS FIRE AND ACOUSTICS LABORATORY

AYDINLI MAH. ULUS SOK. NO:7/1 TUZLA/İSTANBUL

Tel: +902165600561 Faks: e-mail: yalitim@tse.org.tr

www.tse.org.tr

MUAYENE VE DENEY RAPORU
TEST REPORT

Deneysel Talep Eden/Firma : (Adi, Adresi, Şehir vb.) Requesting/Customer (Name, Address, City etc.)	WAVİN TR PLASTİK SAN. A.Ş. GÜZELEVLER MAH. GIRNE BULVARI NO: 294/A 01310 YÜREGİR / ADANA
Deneysel Talep Tarihi / No : Order Date/No.	4.08.2022 / 2022-140756
Numunenin Tanımı : (Cins, Marka, Sınıf, Tip, Tür, Model vb.) Sample Description (Type, Mark, Class, Model etc.)	2022-231040, Plastic pipe for hot and cold water installations - crosslinked polyethylene (PEX-a), -, -, 6.00, adet
Numune Kabul Tarihi : Sample Receipt Date	15.09.2022
Deneyslerin Yapıldığı Tarih : Date of Test	01.09.2022 / 27.09.2022
Uygulanan Standart Metot : Applied Standard/Method	TS EN 13501-1/Yapı mamulleri ve yapı elemanları, yangın sınıflandırması bölüm 1: Yangın karşısındaki davranış deneylerinden elde edilen veriler kullanılarak sınıflandırma
Raporun Sayfa Sayısı : Number of pages of the report	4
Deneysel Sonucu : Test Result	-
Açıklamalar : Remarks	English Copy

Yukarıda tanımlanan numune için laboratuvarımızda yapılan muayene ve deneylerden elde edilen sonuçlar müteakip sayfalarda verilmiştir.
The testing and/or measurement results are given on the following pages which are part of this report.

Deneysel laboratuvarları olarak faaliyet gösteren TSE Deney ve Kalibrasyon Merkezi Başkanlığı Deney Laboratuvarları TÜRKAK'tan AB-0001-T ile TS EN ISO/IEC 17025:2017 standardına göre akredite edilmiştir.
TSE Headship of Test and Calibration Center Testing Laboratories accredited by TÜRKAK under registration number AB-0001-T for TS EN ISO/IEC 17025:2017 as test laboratory.
TÜRKAK deney raporlarının tanınırlığı konusunda Avrupa Akreditasyon Birliği (EA) ile Çok Taraflı Anlaşma ve Uluslararası Laboratuvar Akreditasyon Birliği (ILAC) ile karşılıklı tanıma anlaşması imzalamıştır.
TÜRKAK is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports.
Deney ve/veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deney metodları bu raporun tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir.
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.

Karekod QR Code	Tarih Date	Deneysel Sorumlusu Person in charge of test	Kontrol Eden Reviewer	Onaylayan Head of Laboratory
	27.09.2022	FATİH ÖZTÜRK	ALPAY SÜMER	SENCER GÜVEN

Bu rapor, hazırlayan laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. İmzasız ve karekodsuz raporlar geçersizdir. Bu rapor, sadece deneyi yapılan numune için geçerlidir ve "Ürün Belgesi" yerine geçmez.
This test report shall not be reproduced other than in full except with the written permission of the laboratory. Test reports without signature and seal are not valid. This test report represents only tested sample(s), and shall not be used as Product Certificate.

Bu doküman elektronik ortamda imzalanmıştır.

Doğrulama adresi: <https://basvuru.tse.org.tr/uye/QRKodDogrulama?code=DE3D89>



MUAYENE - DENEY SONUÇLARI TEST RESULTS

REACTION TO FIRE CLASSIFICATION

1. Introduction

This classification report defines the classification assigned to the product “Plastic pipe for hot and cold water installations - crosslinked polyethylene (PEX-a)” in accordance with the procedures given in the standard TS EN 13501-1:2019 using data from reaction to fire tests.



REACTION TO FIRE CLASSIFICATION ACCORDING TO TS EN 13501-1:2019

SPONSOR (Name&Address)	WAVİN TR PLASTİK SAN. A.Ş.
	Güzelevler Mah. Girne Bulvarı No: 294/A 01310 YÜREĞİR
DEMANDED BY (Name&Address)	WAVİN TR PLASTİK SAN. A.Ş.
	Güzelevler Mah. Girne Bulvarı No: 294/A 01310 YÜREĞİR
PREPARED BY	TSE Construction Materials Fire and Acoustics Laboratory Directorate
PURPOSE OF INSPECTION	Special Test Request
CLASSIFICATION REPORT NO.	299875
DATE OF ISSUE	27.09.2022
ISSUE NUMBER	1/1

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

MUAYENE - DENEY SONUÇLARI TEST RESULTS


2. Details of Classified Product

2.1. General

The classified product is defined as “Plastic pipe for hot and cold water installations - crosslinked polyethylene (PEX-a)”

2.2. Product Description

General Description	Plastic pipe for hot and cold water installations - crosslinked polyethylene (PEX-a)
Trademark	-
Related Specification(s)	-

Samples Properties - Designated Features (Average values measured in the laboratory)	
Wall thickness	2,25 mm
Outer diameter	16,06 mm
Colour	Red
Mass for unit length	89,48 g/m
Sample Image	

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 Reference No	Test Method
TSE Construction Materials Fire and Acoustics Laboratory	WAVİN TR PLASTİK SAN. A.Ş.	296390	TS EN ISO 11925-2: 2020-07
		09-22	



MUAYENE - DENEY SONUÇLARI TEST RESULTS

3.2. Results

Results of the test reports mentioned in 3.1 and the classification criteria corresponding to class E as stated in TS EN 13501-1:2019 are given in the following table.

Test Method	Parameter	Number of Tests	Test Results	
			Mean of continuous parameters	Non-continuous parameters
TS EN ISO 11925-2 (15 s surface exposure)	F_s in 20 s \leq 150 mm	6	(-)	Flames did not reach 150 mm threshold
	No ignition of filter paper		(-)	No ignition

(-) Not applicable.

4. Classification and Direct Field of Application

4.1. Reference of classification

This classification has been carried out in accordance with clause 11.3 of TS EN 13501-1:2019

4.2. Classification

In relation to its reaction to fire behaviour, the product "Plastic pipe for hot and cold water installations - crosslinked polyethylene (PEX-a)" has been classified as:

E

Fire behaviour	Smoke Production	Flaming droplets
E	Not classified	Not classified
REACTION TO FIRE CLASS: E		

4.3. Field of Application

This classification is valid for the products manufactured with the same recipe, same type, under the same product name and product details defined in 2.

5. Limitations

At the time of publishing of the standard TS EN 13501-1:2019, 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 the classification report.