

	PTC Ürün Test ve Belgelendirme Sanayi Ticaret Limited Şirketi Aydınlı Mah. Patlayıcı Maddeler Yolu Cad. Beyoğlu San. Sit. No:26 D:1 Blok Tuzla/İSTANBUL Tel: 0(216) 225 03 41 www.ptctesting.com	Test Raporu Numarası Test Report Number PTC-190901-343 Oluşturulma Tarihi Issue Date 02/02/2021 Rapor Geçerlilik Tarihi Expiry Date of Report 02/02/2022
---	--	--

Müşterinin adı / adresi:
Customer name/address

ETS VANA SANAYİ LTD. ŞTİ.
YAKUPLU MAH. 194 SOK. 3. MATBAACILAR SITESİ NO:1 İÇ KAPI 340 İstanbul

İstek Numarası:
Order no.

192001-342

Numunenin Adı ve Tarif:
Name and identity of test item

Boru / Bağlantı Parçaları
Pipe / Fittings

Numunenin Kabul tarihi:
The date of receipt of test item

2021-01-25

Açıklamalar:
Remarks

Ürün ilgili testlerden geçmiştir, lütfen raporu inceleyiniz.
The product passes related tests, see report below

Deneyin yapıldığı tarih:
Date of Test

2021-01-25 / 2021-02-02

Raporun Sayfa Sayısı:
Number of pages of the Report

4 Sayfa/Pages

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.

This test report was prepared upon customer's request , can not be used as certificate of conformity to standards,
does not represent a batch and can not be used as conformity document for advertisements and procurements.

Mühür

Seal



Tarih

Date

02/02/2021

Deney

Sorumlusu

**Person in charge
of test**

Simge KASIM

**Laboratuvar Teknik
Yöneticisi**

**T.Manager of Testing
Laboratory**

Özcan GÜLEÇİN

*Bu rapor laboratuvarın izni olmadan kısmen kopyalanıp çoğaltılamaz.
İmzasız ve mühürsüz raporlar geçersizdir.*

This report shall not be reproduced other than in full except with the permission of the laboratory Testing
reports without signature and seal are nor valid.

PTC ÜRÜN TEST ve BELGELENDİRME
Aydınlı Mah. Patlayıcı Maddeler Yolu Cad. Beyoğlu San. Sit. No:26 D:1 Blok
Tuzla /İSTANBUL Tel : 0(216) 225 03 41
www.ptctesting.com

TEKNİK RAPOR / TECHNICAL REPORT

	<h1>PTC</h1> <h2>Ürün Test ve Belgelendirme</h2> <p>Sanayi Ticaret Limited Şirketi Aydınlı Mah. Patlayıcı Maddeler Yolu Cad. Beyoğlu San. Sit. No:26 D:1 Blok Tuzla/İSTANBUL Tel: 0(216) 225 03 41 www.ptctesting.com</p>	<p>Test Raporu Numarası Test Report Number PTC-190901-342</p> <p>Oluşturulma Tarihi Issue Date 02/02/2021</p> <p>Rapor Geçerlilik Tarihi Expiry Date of Report 02/02/2022</p>
---	---	---

Müşteri / Client:	ETS VANA SANAYİ LTD. ŞTİ.
Üretim yeri / Manufacturing Location:	YAKUPLU MAH. 194 SOK. 3.MATBAACILAR SITESİ NO:1 İÇ KAPI 340 İSTANBUL
Deney Numunesi / Test Sample :	Boru / Bağlantı Parçaları Pipe / Fittings
Deneyin Yapıldığı Yer / Testing Location	PTC Ürün Test ve Belgelendirme Sanayi Ticaret Limited Şirketi
Deney Standardı / Test Standard:	TS EN ISO 15874-3 Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 3: Fittings
Tetkikin amaçları / Purpose of Testing:	Deney standartlarına göre deneyler / According to the test standard tests
Deney Numunesinin Alındığı Tarih / Date of Receipt of Test Item	2021-01-25
Deneyin yapıldığı tarih(ler) / Date(s) of performance of tests	2021-01-25 / 2021-02-02
Deney sonucu / Results:	Deney numunesi, deney standartlarının gerektirdiği maddelere uygundur. /The test sample, the test substances are suitable as required by the standard
Sonuçlanma tarihi / Date of issue :	2021-02-02
Sonuçlarla ilgili açıklamalar / Explanations of the test case verdicts	Uygulanmaz / Test case does not apply : N/A Uygun / Test object does meet the requirement: P Uygun değil / Test object does not meet the requirement: F

PTC ÜRÜN TEST ve BELGELENDİRME
Aydınlı Mah. Patlayıcı Maddeler Yolu Cad. Beyoğlu San. Sit. No:26 D:1 Blok
Tuzla /İSTANBUL Tel : 0(216) 225 03 41
www.ptctesting.com

TEKNİK RAPOR / TECHNICAL REPORT

	<p style="text-align: center;">PTC</p> <p style="text-align: center;">Ürün Test ve Belgelendirme</p> <p style="text-align: center;">Sanayi Ticaret Limited Şirketi Aydınlı Mah. Patlayıcı Maddeler Yolu Cad. Beyoğlu San. Sit. No:26 D:1 Blok Tuzla/İSTANBUL Tel: 0(216) 225 03 41 www.ptctesting.com</p>	<p>Test Raporu Numarası Test Report Number PTC-190901-342</p> <p>Oluşturulma Tarihi Issue Date 02/02/2021</p> <p>Rapor Geçerlilik Tarihi Expiry Date of Report 02/02/2022</p>
---	---	---

Test Results

Specifications	Values Required in the Standard	Results
I)Material	I)It must comply with item 4.	PASSED
II)Effect on Drinking Water	II) It must comply with item 5.2	PASSED
III)Thermal Stability via Hydrostatic Pressure Test	III)There should be no explosion during the experiment.	PASSED
IV)Specifications	---	PASSED
1) Appearance	1) explosion during the experiment.	PASSED
2) Opacity	2) It should be max: 0.2%.	PASSED
3) Geometric Properties (TS EN iso 3126)	3) It must comply with item 6.	PASSED
4) Mechanical Properties* (TS EN iso 1167-1, TS EN iso 1167-2)	4) -----	PASSED
a) 20°C, 1 hour(-----bar) (PPR product tree, 60cm, water / water, Cover Type A, conditioning 3 hours)	a)No damage should occur during the experiment.	PASSED
b) 95°C,1000hour (11.60bar) (PPR product tree, 60cm, water / water, Cover Type A, conditioning 3 hours)	b)No damage should occur during the experiment.	PASSED
5) Mass Melting Flow Rate - Dough * -insert (TS EN ISO 1133/Nisan 2012,23°C-50%,230°C- 2.16kg, tarih: 09.01.2018 5 min preheat, Manual Cut Mold inner diameter: 2.095mm, mold length: 8.00mm)	5)≤ 0.5g/10 min should be.) Must be less than 30%	PASSED
6)Performance Features	6)It must comply with item 9.	PASSED
a)Internal pressure test * 95 ° C, 1000 hours (- bar) (PPR product tree, 60cm, water / water, Cover Type A, conditioning 3 hours)	a)No leakage should occur during the test period.	PASSED
b)Bending test	b) It must comply with item 4.3	PASSED
c)Separation test F=-----N	c) It must comply with item 4.4.	PASSED
d)Thermal cycle test 20°C/90°C 5000 cycle test pressure 10 bar	d)No leakage should occur during the test period.	PASSED
e)Pressure cycle test	e) It must comply with item 4.6	PASSED
f)Vacuum test	f) It must comply with item 4.7	PASSED
7) Marking	7) It must comply with item 10.	PASSED

PTC ÜRÜN TEST ve BELGELENDİRME
Aydınlı Mah. Patlayıcı Maddeler Yolu Cad. Beyoğlu San. Sit. No:26 D:1 Blok
Tuzla /İSTANBUL Tel : 0(216) 225 03 41
www.ptctesting.com

TEKNİK RAPOR / TECHNICAL REPORT

	<p style="text-align: center;">PTC</p> <p style="text-align: center;">Ürün Test ve Belgelendirme</p> <p style="text-align: center;">Sanayi Ticaret Limited Şirketi Aydınlı Mah. Patlayıcı Maddeler Yolu Cad. Beyoğlu San. Sit. No:26 D:1 Blok Tuzla/İSTANBUL Tel: 0(216) 225 03 41 www.ptctesting.com</p>	<p>Test Raporu Numarası Test Report Number PTC-190901-342</p> <p>Oluşturulma Tarihi Issue Date 02/02/2021</p> <p>Rapor Geçerlilik Tarihi Expiry Date of Report 02/02/2022</p>
---	---	---

Sample Description	DN 32 PN 20 TSE EN ISO 15874-3 PPPC PIPE				
Test Name	Test Standard	Requirements	Unit	Verdict	Results
Hydrostatic Internal Pressure Resistance (20°C , 1 Hour, 16 MPa)	TS EN ISO 1167-1	No damage should occur	-	No Damage	PASSED
Mass Melt Flow Rate (2,16 kg , 230°C)	TS EN ISO 1133-1	Raw \bar{x} %30	g/10 minute	0,26	PASSED

Sample Description	DN 25 PN 20 TSE EN ISO 15874-3 PPPC PIPE				
Test Name	Test Standard	Requirements	Unit	Verdict	Results
Hydrostatic Internal Pressure Resistance (20°C , 1 Hour, 16 MPa)	TS EN ISO 1167-1	No damage should occur	-	No Damage	PASSED
Mass Melt Flow Rate (2,16 kg , 230°C)	TS EN ISO 1133-1	Raw \bar{x} %30	g/10 minute	0,30	PASSED

End of the Test Report

PTC ÜRÜN TEST ve BELGELENDİRME
Aydınlı Mah. Patlayıcı Maddeler Yolu Cad. Beyoğlu San. Sit. No:26 D:1 Blok
Tuzla /İSTANBUL Tel : 0(216) 225 03 41
www.ptctesting.com

TEKNİK RAPOR / TECHNICAL REPORT