

Inspection report: 481714/0.1/112424

Client: NTG Plastik Sanayi ve Ticaret A.S.
Kurtkoy Sanayi Mh. Ensar Sk. No: 18
TR-34906 PENDIK/ISTANBUL

Production plant: TR-54430 KARAPÜRÇEK-SAKARYA

Third party control: 2014

Product group: 15/44

Product: Gas and drinking water supply
Electro fusion tapping saddle PE 100 Ø 180/25 mm
Material: Borsafe HE 3490 IM
Model: EF Tapping Saddle

DVGW approval no.: DV-8606BT0350

Letter of: --- **Ref.:** ---

Samples received: 2014-08-05 **Sampling:** 2014-05-29

Test period: 2014-08-26 to 2014-09-23

Result: The requirements of worksheet GW 335 - part B2: 2004-09 with supplement B2: 2013-02 of DVGW respectively, are met.

This assessment by the inspection body is only for the purpose of information. The certifying body reserves the right to make a concluding assessment (with regard to the maintenance of the certificate).

The inspection report comprises 4 pages.

Würzburg, 2014-10-27

Je/eim

i. A.

Dipl.-Ing. Christian Winkler



i. A.

Dipl.-Ing. Bernhard Stanzel

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1. Inspection scope

The inspection scope complies with worksheet GW 335 - part B2: 2004-09 with supplement B2: 2013-02 of Deutsche Vereinigung des Gas- und Wasserfaches e.V., respectively.

2. Sampling

The samples were taken by an inspector of SKZ - TeConA GmbH on 29 May 2014 at the production plant in TR-54430 KARAPÜRÇEK-SAKARYA.

3. Results

3.1 General

The fittings are designed in such a way that during assembly and operation the pipe system requirements are fulfilled.

3.2 Appearance

The components of the fittings are free from damages, such as scratches, sprue cracks, bubbles, occlusions or cracks.

3.3 Surface finish

The fittings have a smooth internal and external surface as it is usual for the production process. The surfaces of the fittings are free from blistering and impurities.

3.4 Electrical properties

ohmic resistance Ω	
actual value	set value ¹
7.34	7.23 – 7.37

¹ according to producer's requirements

3.5 Colour

The fittings are uniformly coloured according to colour register RAL 9004, thus complying with the requirements according to tables 2a and 2b, respectively, of worksheet GW 335- part B2: 2004-09.



3.6 Dimensions

designation	actual value in mm		set value in mm	
	maximum	minimum	maximum	minimum
mean outside diameter D ₁	25.2	25.2	25.3	25.0
wall thickness E _s	3.4	3.1	3.4	3.0
length of weld-on end L _{2min}	---	73.8	---	41.0

3.7 Material properties

designation	unit in	mean value	set value
melt mass-flow rate MFR 190/5 granulate	g/10 min	0.46 ¹	---
melt mass-flow rate MFR 190/5 fitting	g/10 min	0.50	---
change granulate - fitting	%	8.7	≤ 20

¹ the value was determined by the producer

3.8 Marking

3.8.1 Marking of the fittings: NTG PE100/SDR11 d180 04/14 dn25

3.8.2 Marking of the sticker: EN 1555-3 GAS DV – 8606BT0350 MADE IN TURKEY EN 12201-3 WATER DV – 8606BT0350 MADE IN TURKEY

NTG barcode d180 Voltage: 40V EF TAPPING SADDLE
Welling: 150s PE 100 SDR11...17 Cooling: 15m

Colour of the sticker: yellow / blue, white

3.8.3 Marking of the packaging: All minimum marking data are available.

3.9 Resistance to internal pressure (3 samples)

test temperature in °C	test pressure in N/mm ²		test pressure in bar actual value	time to failure in h	
	PE 80 ¹	PE 100 ¹		actual value	set value
80	4.5	5.4	10.8	> 165	≥ 165

¹ material see page 1



3.10 Impact resistance of tapping tees

designation	unit in	actual value	set value
temperature	°C	0	0
mass of drop hammer	kg	2.5	2.5
fall height	m	2	2
tightness	----	no leakage	no leakage
remark	----	no failure	no failure

3.11 Peel strength

3.11.1 Peel decohesion test

welding conditions	test setup, type	area without brittle failure %	testing speed mm/min	failure behavior
unknown	A2	84.5	25	separation joint area

4. Assessment of production plant

Assessment of laboratory staff and device equipment as well as internal production control.

Result: without objection

