

**Inspection report:** 429810/1.1/92708

**Client:** POLIPLAST Sp. Z.o.o.  
ul. Energetyczna 6  
PL-56-400 OLESNICA

**Production plant:** PL-56-400 Olesnica

**Third party control:** 1<sup>st</sup> half-year 2010

**Product:** Domestic waste pipe, group 1  
Pipe PP DN 50  
Trade name: "POLIphon"

**Letter of:** --- **Reference:** ---

**Samples received:** 2010-07-02 **Sampling:** 2010-06-02

**Test period:** 2010-08-07 to 2010-11-19

**Result:** The requirements of allgemeine bauaufsichtliche  
Zulassung Z-42.1-399 of DIBt are met.

The inspection report comprises 3 pages.

Würzburg, 2010-11-26  
Wi/Sz/stei

i. V.

  
Dr.-Ing. Günter Nawroth



i. A.

  
Dipl.-Ing. Christian Winkler

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SKZ - TeConA GmbH  
Testing, Quality Assurance, Certification  
Friedrich-Bergius-Ring 22  
97076 Würzburg/GERMANY

Managing Director:  
Dr.-Ing. Markus K. Lake  
HRB 7840  
Amtsgericht Würzburg

Phone: +49 931 4104-0  
Fax: +49 931 4104-477  
E-Mail: [tecona@skz.de](mailto:tecona@skz.de)  
[www.skz.de](http://www.skz.de)

  
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## 1. Inspection scope

The inspection scope complies with allgemeine bauaufsichtliche Zulassung Z-42.1-399 of Deutsches Institut für Bautechnik (DIBt).

## 2. Sampling

The samples were taken by an inspector of SKZ - TeConA GmbH on 2 June 2010 at the production plant in PL-56-400 Olesnica.

## 3. Results

### 3.1 Dimensions

designation		actual value in mm		set value in mm	
		maximum	minimum	maximum	minimum
outside diameter	$d_1$	50.1	50.1	50.3	50.0
wall thickness	$e_{1ges}$	2.0	1.9	2.2	1.8
wall thickness	$e_{1in}$	0.3	0.3	---	0.3
wall thickness	$e_{1aus}$	0.3	0.3	---	0.3
wall thickness of socket	$e_2$	2.1	1.9	---	1.6
wall thickness of bead	$e_3$	1.9	1.8	---	1.0
socket depth	A	---	29.3	---	28.0
width of bead	f	8.6	8.4	9.0	8.0
socket length behind the bead	C	18.0	---	18.0	---

### 3.2 Material properties

designation	unit in	mean value	set value
melt mass-flow rate MFR 230/2.16	g/(10 min)	0.35	$\leq 1.4$
density of the center layer DN 40 – DN 50	$g/cm^3$	0.92	0.9 – 1.1
longitudinal reversion	%	0.3	$\leq 2.0$
thermal stability OIT 200°C	min	38.6	$\geq 8$
diametral stiffness	KN/m <sup>2</sup>	8.5	$\geq 4.0$



