



Product certificate K21961/04

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Replaces K21961/03

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Fusion fittings made of PE

STATEMENT BY KIWA

With this product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

Plastitalia S.p.A.

as specified in this product certificate and marked with the Kiwa®-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with Kiwa evaluation guideline BRL-K17105 "plastics piping systems of polyethylene for the transport of drinking water and raw water" dated 03-10-2017

Ron Scheepers
Kiwa

Publication of this certificate is allowed.

Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

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**Certification process
consists of initial and
regular assessment of:**

- quality system
- product

Fusion fittings made of PE

PRODUCT SPECIFICATION

Socket and butt fusion and electrofusion fittings - Fusion joints and fittings of PE,

For piping systems for the transport of drinking water and raw water conform BRL-K17105. The product(s) in the following tables belongs to this certificate.

Table 1 – 7: **PLAST** (Butt fusion fittings)

Table 1 - Elbow 90°

	PE 80, PE 100	PE 100
	SDR 11	SDR 17
32	SL	SL
40	SL	SL
50	SL	SL
63	SL	SL
75	SL	SL
90	SL	SL
110	SL	SL
125	SL	SL
140	SL	SL
160	SL	SL
180	SL	SL
200	SL	SL
225	SL	SL
250	SL	SL
280	SL	SL
315	SL	SL

Table 2 - Elbow 45°

	PE 80, PE 100	PE 100
	SDR 11	SDR 17
32	SL	SL
40	SL	SL
50	SL	SL
63	SL	SL
75	SL	SL
90	SL	SL
110	SL	SL
125	SL	SL
140	SL	SL
160	SL	SL
180	SL	SL
200	SL	SL
225	SL	SL
250	SL	SL
280	SL	SL
315	SL	SL

Table 3 - Tees 90°

	PE 80, PE 100	PE 100
	SDR 11	SDR 17
32	SL	SL
40	SL	SL
50	SL	SL
63	SL	SL
75	SL	SL
90	SL	SL
110	SL	SL
125	SL	SL
140	SL	SL
160	SL	SL
180	SL	SL
200	SL	SL
225	SL	SL
250	SL	SL
280	SL	SL
315	SL	SL

Table 4 - End Cap

	PE 80, PE 100	PE 100
	SDR 11	SDR 11
32	SL	SL
40	SL	SL
50	SL	SL
63	SL	SL
75	SL	SL
90	SL	SL
110	SL	SL
125	SL	SL
140	SL	SL
160	SL	SL
180	SL	SL
200	SL	SL
225	SL	SL
250	SL	SL
280	SL	SL
315	SL	SL

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Table 5 - Reducers

	PE 80, PE 100 SDR 11	PE 100 SDR 17
40/32	SL	SL
50/25	SL	SL
50/32	SL	SL
50/40	SL	SL
63/25	SL	SL
63/32	SL	SL
63/50	SL	SL
75/32	SL	SL
75/40	SL	SL
75/50	SL	SL
75/63	SL	SL
90/50	SL	SL
90/63	SL	SL
90/75	SL	SL
110/50	SL	SL
110/63	SL	SL
110/75	SL	SL
110/90	SL	SL
125/63	SL	SL
125/65	SL	SL
125/90	SL	SL
125/110	SL	SL
140/90	SL	SL
140/110	SL	SL
140/125	SL	SL
160/90	SL	SL
160/110	SL	SL
160/125	SL	SL
160/140	SL	SL
180/125	SL	SL
180/140	SL	SL
180/160	SL	SL
200/140	SL	SL
200/160	SL	SL
200/180	SL	SL
225/160	SL	SL
225/180	SL	SL
225/200	SL	SL
250/180	SL	SL
315/250	SL	SL

Table 6 - Stubends

	PE 80, PE 100 SDR 11	PE 100 SDR 17
32	SL	SL
40	SL	SL
50	SL	SL
63	SL	SL
75	SL	SL
90	SL	SL
110	SL	SL
125	SL	SL
140	SL	SL
160	SL	SL
180	SL	SL
200	SL	SL
225	SL	SL
250	SL	SL
280	SL	SL
315	SL	SL

Table 7 - Reducers Tees

	PE 80, PE 100 SDR 11	PE 100 SDR 17
50/25	SL	SL
50/32	SL	SL
50/40	SL	SL
63/25	SL	SL
63/32	SL	SL
63/40	SL	SL
63/50	SL	SL
75/32	SL	SL
75/40	SL	SL
75/50	SL	SL
75/63	SL	SL
90/50	SL	SL
90/63	SL	SL
90/75	SL	SL
110/50	SL	SL
110/63	SL	SL
110/75	SL	SL
110/90	SL	SL
125/63	SL	SL

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table 7 (continued)

160/125	SL	SL
160/140	SL	SL
180/125	SL	SL
180/140	SL	SL
180/160	SL	SL
200/140	SL	SL
200/160	SL	SL
200/180	SL	SL
225/160	SL	SL
225/180	SL	SL
225/200	SL	SL
250/180	SL	SL
250/200	SL	SL
250/225	SL	SL
280/200	SL	SL
280/225	SL	SL
280/250	SL	SL
315/90	SL	SL
315/110	SL	SL
315/225	SL	SL
315/250	SL	SL
315/280	SL	SL

Electrofusion fittingsTable 8 – **PLAST FAST**
(Electrofusion couplers)

	PE 100
	SDR 11
32	E
40	E
50	E
63	E
75	E
90	E
110	E
125	E
140	E
160	E
180	E
200	E
225	E
250	E
280	E
315	E

S = Butt fusion fittings

SL = Butt fusion fittings with extended spigot tend, also suitable for electrofusion fitting

E = Electrofusion fitting

Fitness for contact with drinking water

This product is approved on the basis of the requirements for hygienic aspects set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" ("Materials and chemicals in the supply of drinking water and warm tap water Regulation" dated 01-07-2017; published in the Government Gazette).

These hygienic aspects are based on two main criteria. The product shall permanently comply with:

- The product recipe approved during the assessment procedure. This recipe is not to be changed without prior approval by Kiwa according to the Kiwa approval procedure for the hygienic aspects;
- Specific product requirements for the hygienic aspects.

The recipe and specific product requirements are laid down in the for confidentiality reasons undisclosed 'appendix hygienic aspects' to this certificate.

MARKING

The marks and indications shall be printed or formed on the fitting and the packaging in such a way that it is durable and legible.

Fittings shall be provided with at least the following marks:

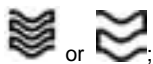
- manufacturer's name, trade name and/or logo;
- nominal outside diameter(s) in mm of connecting pipe(s);
- Nominal pressure (PN);
- production code;
- material identification of the plastic PE 40 or PE 80 or PE 100.

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Certification mark


After entering into the Kiwa certification agreement the word "KIWA" and the Kiwa water mark must be printed or formed on the fitting.

Kiwa water mark:



In consultation with Kiwa:

- the combination of "KIWA" and the Kiwa water mark may be replaced by;

KK of 

may some marks be printed or formed on the (smallest) packaging unit, e.g. because the fittings are too small to be able to print or form all the marks on the fitting.

APPLICATION AND USE

The products (PE- (co extruded) pipes and fittings) are intended to be applied in piping systems for the transport of drinking water and raw water with a maximum temperature of 40 °C.

RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the supplier has delivered in accordance with the agreement;
- the mark and the marking method are correct;
- the products show no visible defects as a result of transport etc.

If you should reject a product on the basis of the above, please contact:

- Plastitalia S.p.A.

and, if necessary,

- Kiwa Nederland B.V.

Consult the supplier's processing guidelines for the proper storage and transport methods.