

1. General type of product

Plastics piping kits for underfloor heating systems, made of PE-RT Type 0 with an oxygen barrier layer

2. Type, batch or serial number

FLEXOLEN system

3. Intended use or uses of the construction product

Plastics piping kits for underfloor heating systems

4. Company

hpg plastics gmbh
Christinenstrasse 19
40880 Ratingen
Germany

5. Authorized person

Not relevant

6. System of assessment and verification of constancy of performance

System 4

7. Notified body

Not relevant

8. Notified body No

Not relevant

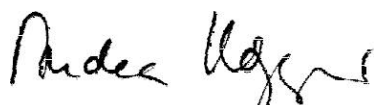
Declaration of Performance No. 03

Essential Characteristics	Performance	Technical specification
Raw material	PE-RT Type 0	KIWA BRL 5602 SKZ HR 3.35
Density PE-RT	0,929 g/cm ³	
PE-RT (MFR) (2,16kg/190°C)	0,75 -1,0 g/10min	
Elongation at break (23°C) 100 mm/min	>350%	
Thermal stability PE-RT (110°C und 1,8 MPa)	>3000h	
Bending test	NPD	
Pull- out test 23°C	≥ 231N	
Thermal cycling test Class 4 (80°C)	>5000 cycles	
Leak tightness under vacuum	<0,05 bar/h	
Deviation of melt and PE-RT raw material	<20%	
Thermal stability EVOH (T50Y)	>70°C	
Peak melting point of Adhesive	>120°C	
Raw material (Fitting)	CW614N, CW602N	
Resistance to internal hydrostatic pressure 95°C	≥1000h	
Geometrical characteristics	See product marking	
Application class / Pressure	Class 4 6bar	
Longitudinal reversion	≤ 2%	
Oxygen permeability of the system 40°C acc. DIN 4726:2008	≤ 0,40 mg/(m ² · d)	
Reaction to fire	NPD	

The performance of the product identified is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Ratingen, 2015-09-07



Name: Andrea Höppner
 Position: General Manager