

Kitemark™ Certificate

This is to certify that:

Hepworth PME (Qatar) WLL
Light Industries Area
PO Box 50207
Mesaieed
Qatar

Holds Certificate Number:

KM 587931

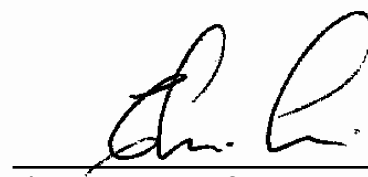
In respect of:

ISO 4437-2 (BS EN 1555-2)
Plastic piping systems for the supply of gaseous fuels Polyethylene (PE)

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.

For and on behalf of BSI:



Chris Lewis - Certification Director, Product Certification

First Issued: 2012-10-31
Latest Issue: 2019-04-24

Effective Date: 2019-04-24
Expiry Date: 2022-04-23

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...making excellence a habit.™

Kitemark™ Certificate

No. KM 587931

BS ISO 4437-2:2014 - Plastics piping systems for the supply of gaseous fuels. Polyethylene (PE). Pipes.

BS EN 1555-2:2010 - Plastics piping systems for the supply of gaseous fuels. Polyethylene (PE). Pipes.

Pipes manufactured in PE100 material

HDPE PE100 pipes for GAS distribution applications to include any one of the following options:

- 1) Black Pipes with coloured identification stripes,
- 2) Black Pipes with coloured identification outer layer (multi-layer).

Sizes (mm)	Material	SDR9	SDR11	SDR13.6	SDR17	SDR21	SDR26
		12.5 bar	10 bar	7.9 bar	6.25 bar	5 bar	4 bar
20	Borealis Borstar PE100 HE3490LS	✓	✓	-	-	-	-
25		✓	✓	-	-	-	-
32	or	✓	✓	✓	-	-	-
40		✓	✓	✓	✓	-	-
50		✓	✓	✓	✓	✓	-
63	SABIC PE100 P6006	✓	✓	✓	✓	✓	✓
75	or	✓	✓	✓	✓	✓	✓
90		✓	✓	✓	✓	✓	✓
110	Tasnee PE100 2HD100BSA11	✓	✓	✓	✓	✓	✓
125		✓	✓	✓	✓	✓	✓
140	Or	✓	✓	✓	✓	✓	✓
160		✓	✓	✓	✓	✓	✓
180	H1000PC PE100 Natural + Orange PE Masterbach*	✓	✓	✓	✓	✓	✓
200		✓	✓	✓	✓	✓	✓
225	Or	✓	✓	✓	✓	✓	✓
250		✓	✓	✓	✓	✓	✓
280	Polimaxx PE100 P901BK	✓	✓	✓	✓	✓	✓
315		✓	✓	✓	✓	✓	✓
355	Or	✓	✓	✓	✓	✓	✓
400		✓	✓	✓	✓	✓	✓
450	H1000PC PE100 Black	✓	✓	✓	✓	✓	✓
500		✓	✓	✓	✓	✓	✓
560	-	-	✓	✓	✓	✓	✓
630		-	✓	✓	✓	✓	✓

Note: To be used with Tasnee 2HD100COSA11 for co-extruded stripe or the identification layer.

*To be used for coloured identification stripes

Pressure calculated on the basis shown below:

$$\text{MOP} = (20 \times \text{MRS}) / (\text{SDR} - 1 \times \text{C})$$

Minimum Required Strength (MRS) = 10.0 MPa (PE100)

Standard Dimension Ratio (SDR) = SDR 11 and SDR17..etc

Overall Service Coefficient (C) = 2.0 for Gas, (buried pipelines)

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This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.

To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).