



Certificate of Compliance

This certificate is issued for the following:

Polyethylene Pipe for Underground Fire Protection Service
(As shown on Page 2)

Prepared for:

Hepworth PME (Qatar) WLL
PO Box 50207
Mesaieed
Qatar

Manufactured at:

Hepworth PME (Qatar) WLL
PO Box 50207
Mesaieed
Qatar

FM Approvals Class: 1613

Approval Identification: 3046077 Approval Granted: September 27, 2012

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

For more than 160 years FM Approvals has partnered with business and industry to reduce property losses.

A handwritten signature in black ink, appearing to read "Richard B. Dunne".

Richard B. Dunne
Group Manager - Fire Protection
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062



Member of the FM Global Group



Certificate of Compliance

| <i>Product Designation</i> | <i>Nominal Pipe Size, mm</i> | <i>Pressure Rating, psi (kPa)</i> | <i>Remarks</i> |
|----------------------------|---|-----------------------------------|----------------|
| HDPE PE100 SDR 11 Pipe | 63, 75, 90, 110, 125, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500 | 150 (1035) | a, b, c, d |
| HDPE PE100 SDR 9 Pipe | 63, 75, 90, 110, 125, 160, 180, 200, 225, 250, 280, 315, 355, 400 | 200 (1380) | a, b, c, d |

Remarks:

- a. Dimensions refer to the pipe outside diameter.
- b. Pipes and fittings may be directly connected together by the butt fusion process or through the use of electrofusion fittings and couplings. Manufacturer's fusion instructions must be strictly followed to ensure a proper fusion joint.
- c. The color of the pipes is black or black with colored identification stripes.
- d. Pipes are manufactured in accordance with ISO 4427.



Member of the FM Global Group