



Certificate of Compliance

This certificate is issued for the following:

Polyethylene (PE) Pipe and Fittings for Underground Fire Protection Service
(see detail on following pages)

Prepared for:

AGRU-FRANK GmbH
Dieselstrasse 1-7
Wolfersheim-Berstadt, 61200
Germany

Manufactured at:

AGRU-FRANK GmbH
Dieselstrasse 1-7
Wolfersheim-Berstadt, 61200
Germany

FM Approvals Class: 1613

Approval Identification: 0003058569

Approval Granted: June 28, 2017
Report Reissued: August 3, 2017

To verify the availability of the Approved product, please refer to www.approvalguide.com

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.

A handwritten signature in black ink, appearing to read 'D. B. Fuller', written over a horizontal line.

David Fuller
VP - Manager of Fire Protection
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062 USA



Member of the FM Global Group



Certificate of Compliance

<i>Product Designation</i>	<i>O.D., Pipe Size, mm</i>	<i>Pressure Rating, bar (psi)</i>	<i>Remarks</i>
Pipe, PE 100, SDR 11 Extruded	63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630	15 (218)	a, b, c
Pipe, PE 100, SDR 9 Extruded	63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630	17.5 (250)	a, b, c
Sweep Bend Fittings, 90°, 60°, 45°, 30°, 22°, 11°, Extruded and Formed SDR 11	90, 110, 125, 140, 160, 180, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630	15 (218)	a, b, c
Sweep Bend Fittings, 90°, 60°, 45°, 30°, 22°, 11°, Extruded and Formed SDR 9	90, 110, 125, 140, 160, 180, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630	17.5 (250)	a, b, c

Remarks:

- a. Dimensions refer to the pipe outside diameter. Pipe and fittings are directly connected by the butt fusion process, or the socket electro-fusion welding process.*
- b. The manufacturer fusion welding instructions must be strictly adhered to for a proper joint.*
- c. The color of the pipe is Black or Blue*



Member of the FM Global Group