



# 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](http://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, reading 'David B. Fuller'.

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



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<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



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