



# Certificate of Compliance

This certificate is issued for the following:

**Polyethylene (PE) Pipe and Fittings for Underground Fire Protection Service**

**PE 100 -RC Polyethylene Pipe and Fittings**

(see attached listing)

**Prepared For:**

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

**Manufactured At:**

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

Approval Standard: FM 1613 (October 2022)

Approval Identification: 3058569  
Revision Request: RR238982

Approval Granted: 28 June 2017  
Date Authorized: 20 October 2023

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, appearing to read 'D.B. Fuller', written over a horizontal line.

David B. Fuller  
VP, Manager – Fire Protection  
FM Approvals  
1151 Boston-Providence Turnpike  
Norwood, MA 02062

22 April 2024

Date



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Product Description	Nominal Pipe Size, mm	Rated Working Pressure		Remarks
		bar	(psi)	
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	(215)	a, b, c, d
Pipe, PE 100, SDR9 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, d
Sweep Bend Fittings, 90°, 60°, 45°, 30°, 22°, 11°, Extruded and Formed SDR 11	90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630	15	(215)	a, b, c, d
Sweep Bend Fittings, 90°, 60°, 45°, 30°, 22°, 11°, Extruded and Formed SDR 9	90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630	17.5	(250)	a, b, c, d

**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.
- d. The product is extruded PE 100-RC.



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