



# Certificate of Compliance

This certificate is issued for the following:

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

**Butt-Fusion and Electro-Fusion Molded Fittings  
Sizes 63 through 630 mm**

**Prepared For**

Nupi Industrie Italiane SpA  
Via Stefano Ferrario Z.I. Sud-Ovest  
21052 Busto Arsizio (VA)  
Italy

**Manufacturing**

Nupi Industrie Italiane SpA  
Via Stefano Ferrario Z.I. Sud-Ovest  
21052 Busto Arsizio (VA)  
Italy

FM Approvals Class: 1613, dated February 2017

Approval Identification: 3062688

Approval Granted: September 29, 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 that reads 'D.B. Fuller'.

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David B. Fuller  
VP – Manager, Fire  
Protection

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*Member of the FM Global Group*

### Pipe, Fittings and Pipe Joints for Underground Fire Service Mains

Underground fire service mains are made from many different materials. Cast iron, ductile iron, stainless steel pipe, Polyvinyl Chloride (PVC), Polyethylene (PE), and Fiber Reinforced Composite (FRP of Fiberglass) pipe and fittings are acceptable when they are FM Approved. Installation of these products should conform to FM Global Property Loss Prevention Data Sheets.

#### Polyethylene Pipe and Fittings

Polyethylene pipe should be installed and anchored according to the pipe manufacturer's instructions and FM Global Property Loss Prevention Data Sheets. For underground use only.

Nominal pipe size is the approximate outside diameter of the pipe. Refer to manufacturer's catalog for pipe inside diameter.

#### NUPI INDUSTRIE, Polyethylene Pipe and Fittings

Product Designation	O.D., Pipe Size, mm.	Pressure Rating, bar (psi)
EF Coupler	63, 75	16 (232)
EF Coupler	90, 110, 125, 140, 160, 180, 200, 225, 250, 280	17 (250)
EF Coupler	315, 355, 400, 450, 500, 560, 630	12.75 (185)
EF Reducer	75x63 90x63 110x63,90	16 (232)
EF Reducer	125x63,90,110 160x90,110,125 200x160,180 225x160,180,200 250x180,200,225 315x250,280	12 (175)
EF Elbow 90°	63	16 (232)
EF Elbow 90°	75, 90, 110, 125, 160, 200, 225, 250	12 (175)
EF Elbow 45°	63	16 (232)
EF Elbow 45°	75, 90, 110, 125, 160, 200, 225, 250	12 (175)
EF Tee	63, 75, 90, 110	12 (175)
EF Cap	63	16 (232)
BF Cap	90, 110, 125, 140, 160, 180, 200, 315, 355, 400, 450, 500	12 (175)
BF Reducer	110x90 125x90,110 140x90,110,125 140x90,110,125 160x90,110,125,140 180x125,160 200x160,180 225x160,180,200 250x180,200,225 280x200,225,250 315x225,250,280 355x250,280,315 400x315,355 450x355 500x355,400,450 560x450,500	12 (175)
BF Elbow 90°	90, 110, 125, 140, 160, 180, 200, 225, 250	12.75 (185)
BF Elbow 90°	315	12 (175)
BF Elbow 45°	90, 110, 125, 140, 160, 180, 200, 225, 250	12.75 (185)
BF Elbow 45°	315	12 (175)
BF Tee	90, 110, 125, 140, 160, 180, 200, 225	12.75 (185)
BF Reducing Tee	110x90 125x90,110 140x90,110,125 160x90,110,125,140 180x125,160 200x160,180 225x160,180,200 250x180,200,225 280x200,225,250 315x225,250,280 355x250,280,315 400x315,355 450x355 500x355,400,450 560x450,500	12 (175)
EF Branch Saddle	90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630	12.75 (185)
BF Stub End	90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630	12.75 (185)

Product Designation	O.D., Pipe Size, inch.	Pressure Rating, Psi (bar)
EF Coupler	2, 3, 4, 6, 8, 10	250 (17)
EF Coupler	12, 14, 16, 18, 20, 22, 24, 28	185 (12.75)
BF Elbow 90°	2, 3, 4, 6	185 (12.75)
BF Elbow 45°	2, 3, 4, 6	185 (12.75)
BF Tee	2, 3, 4, 6	185 (12.75)
EF Branch Saddle	2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 28	185 (12.75)
BF Stub End	2, 3, 4, 6, 8, 10, 12, 14, 16, 18	185 (12.75)

Product Designation	O.D., Pipe Size, mm.	Pressure Rating, (bar) Psi
Pipe, SDR 11	90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315	12.75 (185)
Pipe, SDR 11	355, 400	15 (218)
Pipe, SDR 11	450	14 (205)
Pipe, SDR 11	500	12 (175)
Pipe, SDR 11	560	15 (218)
Pipe, SDR 11	630	12 (175)

Product Designation	O.D., Pipe Size, mm.	Pressure Rating, bar (psi)
EF Coupler	63, 75	16 (232)
EF Coupler	90, 110, 125, 140, 160, 180, 200, 225, 250, 280	17 (250)
EF Coupler	315, 355, 400, 450, 500, 560, 630	12.75 (185)
EF Reducer	75x63 90x63 110x63.90	16 (232)
EF Reducer	125x63.90,110 160x90,110,125 200x160,180 225x160,180,200 250x180,200,225 315x250,280	12 (175)
EF Elbow 90°	63	16 (232)
EF Elbow 90°	75, 90, 110, 125, 160, 200, 225, 250	12 (175)
EF Elbow 45°	63	16 (232)
EF Elbow 45°	75, 90, 110, 125, 160, 200, 225, 250	12 (175)
EF Tee	63, 75, 90, 110	12 (175)
EF Cap	63	16 (232)
BF Cap	90, 110, 125, 140, 160, 180, 200, 315, 355, 400, 450, 500	12 (175)
BF Reducer	110x90 125x90,110 140x90,110,125 140x90,110,125 160x90,110,125,140 180x125,160 200x160,180 225x160,180,200 250x180,200,225 280x200,225,250 315x225,250,280 355x250,280,315 400x315,355 450x355 500x355,400,450 560x450,500	12 (175)
BF Elbow 90°	90, 110, 125, 140, 160, 180, 200, 225, 250	12.75 (185)
BF Elbow 90°	315	12 (175)
BF Elbow 45°	90, 110, 125, 140, 160, 180, 200, 225, 250	12.75 (185)
BF Elbow 45°	315	12 (175)
BF Tee	90, 110, 125, 140, 160, 180, 200, 225	12.75 (185)
BF Reducing Tee	110x90	12.75 (185)
	125x90,110	
	140x90,110,125	
	160x90,110,125,140	
	180x125,160	
	200x160,180	
	225x160,180,200	
	250x180,200,225	
	280x200,225,250	
	315x225,250,280	
	355x250,280,315	
	400x315,355	
	450x355	
500x355,400,450		
560x450,500		
EF Branch Saddle	90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630	12.75 (185)
BF Stub End	90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630	12.75 (185)

Company Name:	NUPI INDUSTRIE ITALIANE S.p.A
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Company Website:	<a href="http://nupindustrialitaliane.com">http://nupindustrialitaliane.com</a>
New/Updated Product Listing:	Yes
Listing Country:	Italy
Certification Type:	FM Approved
Primary Class of Work:	1613-Pipe Fings, Undg, PE