



## NAN YA Polyethylene piping systems for underground fire protection

Products Approved According To FM 1613



**NAN YA PLASTICS CORPORATION**



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FM Approvals is a leading global testing and certification organization. Its main purpose is to ensure that property damage prevention products and services used in industrial and commercial facilities meet the highest standards of quality, technology and performance.

Every Nan Ya PE pipe labeled with the FM symbol has met many strict requirements for fire protection systems. The Nan Ya manufacturing processes have been audited, approved, and inspected by Factory Mutual Global, to make sure PE pipe conformance and performance.







### Certificate of Compliance

This certificate is issued for the following:

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

Product Designation	O.D. Pipe Size, mm.	Pressure Rating psi (bar)	Remarks
SDR9 Pipe	110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630	200 (13.8)	-
SDR11 Pipe	110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630	150 (10.3)	-

**Prepared for:**  
Nan Ya Plastics Corp  
201 Tung Hwa N Rd.  
Taipei  
Taiwan

**Manufactured by:**  
Nan Ya Plastics Corp  
No. 201 Sec 2, Pei Kang Rd  
Tai Bao City, Chia Yi  
Taiwan

FM Approvals Class: 1613 (February 2017)

Approval Identification: PR450841      Approval Granted: April 3, 2019

To verify the product continues to be Approved 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.



David B. Fuller  
VP, Manager – Fire Protection  
FM Approvals  
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April 11, 2019



Member of the FM Global Group

## Benefits and features of FM approved products:

- Reliable performance
- Reduce risk and reduce losses
- Satisfy the needs of clients
- Gain a competitive edge in the global market
- Products quickly promote the global market

## Nan Ya FM Approved PE pipe SDR11

- Material: PE100
- Color: Black
- Dimension: CNS 2456-2 / ISO 4427-2
- Pipe Length: 5m, with plain ends

Nominal Size	Outside Diameter (mm)	Minimum Wall Thickness (mm)	FM Pressure Rating psi (bar)
110	110	10.0	150 (10.3)
125	125	11.4	
140	140	12.7	
160	160	14.6	
180	180	16.4	
200	200	18.2	
225	225	20.5	
250	250	22.7	
280	280	25.4	
315	315	28.6	
355	355	32.2	
400	400	36.3	
450	450	40.9	
500	500	45.4	
560	560	50.8	
630	630	57.2	



## Nan Ya FM Approved PE pipe SDR 9

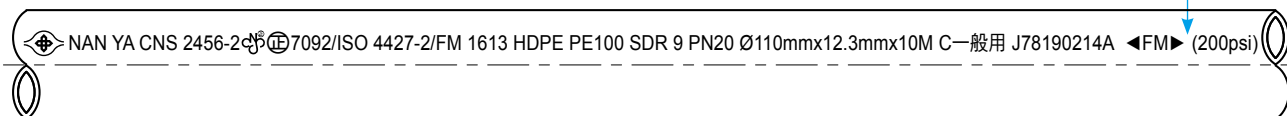
- Material: PE100
- Color: Black
- Dimension:  
CNS 2456-2 / ISO 4427-2
- Pipe Length:  
5m, with plain ends

Nominal Size	Outside Diameter (mm)	Minimum Wall Thickness (mm)	FM Pressure Rating psi (bar)
110	110	12.3	200 (13.8)
125	125	14.0	
140	140	15.7	
160	160	17.9	
180	180	20.1	
200	200	22.4	
225	225	25.2	
250	250	27.9	
280	280	31.3	
315	315	35.2	
355	355	39.7	
400	400	44.7	
450	450	50.3	
500	500	55.8	
560	560	62.5	
630	630	70.3	

## Marking of Pipes:

◀ **FM** ▶ (150 psi)

◀ **FM** ▶ (200 psi)



Marking of Ø100mm~Ø630mm PE Pipes for underground fire protection (for example Ø110mm SDR 9)



**南亞塑膠工業股份有限公司**  
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