



SUPRALON

PE PIPE & FITTING



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HIGH DENSITY POLYETHYLENE

● INTRODUCTION

Untuk memenuhi kebutuhan perpipaan di Indonesia, maka PT. Tjakraindo Mas bukan hanya menyediakan kualitas utama Pipa HDPE untuk Saluran Air Minum, Saluran Gas Cair dan Proteksi Kabel Bawah Tanah, Namun juga menyediakan peralatan dan pelatihan untuk melengkapi pekerjaan. Produk Pipa HDPE telah diuji sesuai Standart SNI dan ISO.

To fulfill requirement of pipe in Indonesia, PT. Tjakraindo Mas not merely providing the special quality HDPE Pipe for Drinking Water Transport, Liquid Gas Transport and Underground Cable Protection, but also provide equipments and training to equip the work. Product HDPE Pipe have been tested according to Standart SNI and ISO.

● APPLICATION

- | | |
|--|--|
| ☒ Saluran Air Minum | ☒ Drinking Water Transport |
| ☒ Saluran Gas Cair | ☒ Liquid Gas Transport |
| ☒ Distribusi Air Panas | ☒ Hot Water Distribution |
| ☒ Proteksi Kabel Bawah Tanah | ☒ Underground Cable Protection |
| ☒ Saluran Pipa Dasar Laut | ☒ Submerge Pipe Line |

● BENEFITS

- | | |
|---|--|
| ☒ Kelenturan yang Tinggi | ☒ Hight Flexibility |
| ☒ Tahan terhadap Panas | ☒ Heat Resistance |
| ☒ Tahan terhadap Benturan | ☒ High impact Strenght |
| ☒ Tahan terhadap Abrasi | ☒ Abrasion Resistance |
| ☒ Mengurangi Penggunaan Sambungan | ☒ Reduces Fittings Application |

● STANDARTS

- | | |
|--|---------------------------|
| ✓ Saluran Air Minum
(Drinking Water Transport) | • SNI-06-4829:2005 |
| ✓ Saluran Gas Cair
(Liquid Gas Transport) | • ISO-4437 |
| ✓ Proteksi Kabel Bawah Tanah
(Underground Cable Protection) | • STEL-L-039-2008/VER.2.2 |

● SPECIFICATION PIPE DIMENSIONS SNI 06 - 4629 - 2005

SERIES	S - 5	S - 6.3	S - 8	S - 10	S - 12.5
SDR	SDR - 11	SDR - 13.6	SDR - 17	SDR - 21	SDR - 26
PE - 100	PN - 16	PN - 12.5	PN - 10	PN - 8	PN - 6.3
Diameter Luar (MM)	WALL THICKNESS (MM)				
16	1.6	-	-	-	-
20	1.9	1.6	-	-	-
25	2.3	1.9	1.6	-	-
32	2.9	2.4	1.9	1.6	-
40	3.7	3.0	2.4	1.9	1.6
50	4.6	3.7	3.0	2.4	2.0
63	5.8	4.7	3.8	3.0	2.4
75	6.8	5.5	4.5	3.6	2.9
90	8.2	6.6	5.4	4.3	3.5
110	10.0	8.1	6.6	5.3	4.3
125	11.4	9.2	7.4	6.0	4.8
140	12.7	10.3	8.3	6.7	5.4
160	14.6	11.8	9.5	7.7	6.2
180	16.4	13.3	10.7	8.6	6.9
200	18.2	14.7	11.9	9.6	7.7
225	20.5	16.8	13.4	10.8	8.6
250	22.7	18.4	14.8	11.9	9.6
280	25.4	20.6	16.6	13.4	10.7
315	28.6	23.2	18.7	15.0	12.1
355	32.2	26.1	21.1	16.9	13.6
400	36.3	29.4	23.7	19.1	15.3
450	40.9	33.1	26.7	21.5	17.2
500	45.4	36.8	29.6	23.8	19.1
560	50.8	41.2	33.2	26.7	21.4
630	57.2	46.3	37.3	30.0	24.1
710		52.2	42.1	33.8	27.2
800		58.8	47.4	38.1	30.6
900			53.5	42.8	34.4
1000			59.3	47.7	38.2
1200				57.2	45.9

PE 100 DOUBLE LAYER



SUPRALON

SERIES	S - 4	S - 5	S - 6,3	S - 8	S - 10	S - 12,5	S - 16	S - 20
SDR	SDR - 9	SDR - 11	SDR - 13,6	SDR - 17	SDR - 21	SDR - 26	SDR - 33	SDR - 41
PE - 100	PN - 20	PN - 16	PN - 12,5	PN - 10	PN - 8	PN - 6,3	PN - 5	PN - 4
Outside Diameter mm	WALL THICKNESS (MM)							
50	8,6							
63	7,1	5,8	4,7					
75	8,4	6,8	5,5					
90	10,1	8,2	6,6	5,4				
110	12,3	10,0	8,1	6,6	5,3			
135	14,0	11,4	9,2	7,4	6,0	4,8		
140	16,7	12,7	10,3	8,3	6,7	5,4		
160	17,9	14,6	11,8	9,5	7,7	6,2	4,9	
180	20,1	16,4	13,3	10,7	8,6	6,9	5,6	
200	22,4	18,2	14,7	11,9	9,6	7,7	6,2	4,9
225	25,1	20,5	16,6	13,4	10,8	8,6	6,9	5,6
250	27,9	22,7	18,4	14,8	11,9	9,6	7,7	6,2
260	31,3	25,4	20,6	16,6	13,4	10,7	8,6	6,9
315	35,2	28,6	23,2	18,7	15,6	12,1	9,7	7,7
355	38,6	32,2	26,1	21,1	16,9	13,6	10,9	8,7
400	44,7	36,3	29,4	23,7	19,1	15,3	12,3	9,8
450	50,2	40,9	33,1	26,7	21,5	17,2	13,8	11,0
500	55,8	45,4	36,8	28,6	23,9	19,1	15,3	12,3
560		50,8	41,2	33,2	26,7	21,4	17,2	13,7
630		57,2	46,3	37,3	30,0	24,1	19,3	15,4
710			52,2	42,1	33,9	27,2	21,8	17,4
800			58,8	47,4	38,1	30,6	24,5	19,6
900				53,8	42,9	34,4	27,8	22,0
1000				59,3	47,7	38,2	30,6	24,5
1200					57,2	45,9	36,7	29,4



→ HDPE
→ HDPE

● SPECIFICATION PIPE DIMENSIONS ISO 4437

ØD (MM)	WALL THICKNESS (MM)	
	SDR 11 - S5	SDR 17.6-S8.3
20	2.0	-
25	2.3	-
32	2.9	2.0
40	3.7	2.3
50	4.8	2.9
63	5.8	3.6
75	6.8	4.3
90	8.2	5.2

ØD (MM)	WALL THICKNESS (MM)	
	SDR 11 - S5	SDR 17.6-S8.3
110	10.0	6.3
125	11.4	7.1
140	12.7	8.0
160	14.6	9.1
180	18.4	10.3
200	18.2	11.4
225	20.5	12.8
250	22.7	14.2

● SPECIFICATION OF TELKOM PE PIPE

Specification PE Pipe for Fibre Optic Cable : STEL - L -039 - 2008/Ver.2.2
 Colour : Black With 4 blue strip

DIAMETER (mm)	WALL THICKNESS (mm)	LENGTH OF PIPE ROLL (Meter)
32 X 27	2.5	200 - 500
32 X 28	2.0	200 - 500
40 X 34	3.0	200 - 300

Specification PE Pipe for Fibre Optic Cable : STEL - L -039 - 2008/Ver.2.2
 Colour : Black With 4 yellow strip

DIAMETER (mm)	WALL THICKNESS (mm)	LENGTH OF PIPE ROLL (Meter)
32 X 26	3.0	200 - 500
40 X 33	3.6	200 - 300
50 X 42	4.0	50 - 100

● SUPRALON STANDART PE PIPE FOR FIBRE OPTIC CABLE

DIAMETER (mm)	WALL THICKNESS (mm)	LENGTH OF PIPE ROLL (Meter)
17 X 14	1.5	200 - 500
32 X 28	2.0	200 - 500
32.6 X 28	2.3	200 - 500
40 X 32	4.0	200 - 300
40 X 35.6	2.2	200 - 300
90 X 79.2	5.4	6 - 12 / PIECE
110 X 95.2	7.4	6 - 12 / PIECE
125 X 110.2	7.4	6 - 12 / PIECE



LENGTH OF PIPE HDPE SUPRALON

Outside Diameter (mm)	Meter/Roll				Meter/Piece	
	250	200	100	50	12	6
16	●	●				
20	●	●				
25	●	●				
32	●	●				
40	●	●				
50		●	●	●		
63			●	●	●	●
75			●	●	●	●
90				●	●	●
110				●	●	●
125					●	●
140					●	●
160					●	●
180					●	●
200					●	●
225					●	●
250					●	●
280					●	●
315					●	●
355					●	●
400					●	●
450					●	●
500					●	●
550					●	●
630					●	●
710					●	●
800					●	●
900					●	●
1000					●	●
1200					●	●

● COMPRESSION FITTING



ELBOW COUPLING



STRAIGHT COUPLING



EQUAL TEE COUPLING



FEMALE ADAPTOR



REDUCING COUPLING



ELBOW WITH MALE THREAD

● FABRICATION FITTING



90° BEND



45° BEND



EQUAL TEE PE



TEE Y



FLANGE



REDUCER & TUB END

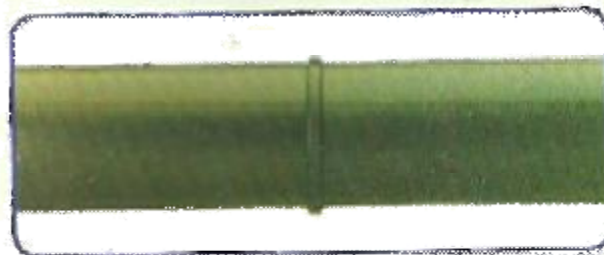
● BUTT FUSION WELDING



JOINTING METHOD



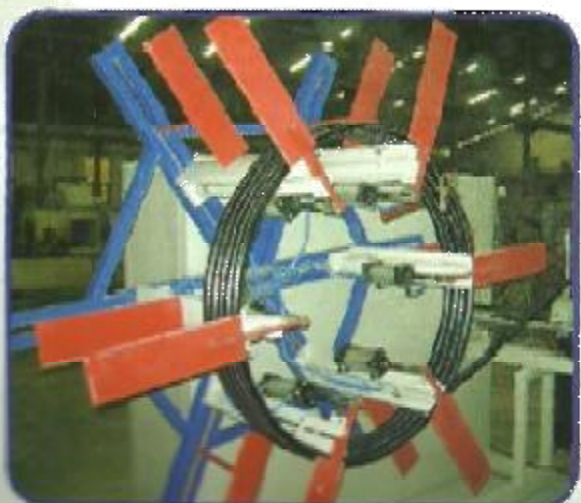
COMPRESSION FITTING JOINT



BUTT FUSION WELDING JOINT



FABRICATION FEATURES



● LABORATORIUM AND CUSTOMER SERVICES



TENSILE TEST



OVEN TEST



MELT FLOW INDEX TESTING



HIDROSTATIC TEST



Manufacture :

PT TIAKRINDO MAS
PE PIPE & FITTING DIVISION



Dody Dwi Ph

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