

Phalon®
PERTAMA DAN TERBAIK



Certified System
Quality
ISO 9001 : 2008
SAI GLOBAL

pipa polyethylene



Spesifikasi Pipa HDPE & MDPE

Satuan : mm

| DIAMETER | | A I R M I N U M | | | | | | | G A S | |
|--------------|------------|---------------------------------|------------------------|--------------------------|------------------------|------------------------|------------------------------|------------------------|-----------------|----------|
| | | BAHAN HDPE PE 100 | | | | | | | BAHAN MDPE | |
| DN (inch) | OD (mm) | SNI 4829.2:2012 / ISO 4427-1996 | | | | | | | ISO 4437 - 1997 | |
| | | SDR 41 PN 4 S-20 | SDR 33 PN 5 S-16 | SDR 26 PN 6 S-12.5 | SDR 21 PN 8 S-10 | SDR 17 PN 10 S-8 | SDR 13.6 PN 12.5 S-6.3 | SDR 11 PN 16 S-5 | SDR 11 | SDR 17.6 |
| ½" | 20 | --- | --- | --- | --- | --- | --- | 2.0 | 3.0 | 2.3 |
| ¾" | 25 | --- | --- | --- | --- | --- | 2.0 | 2.3 | 3.0 | 2.3 |
| 1" | 32 | --- | --- | --- | --- | 2.0 | 2.4 | 3.0 | 3.0 | 2.3 |
| 1-¼" | 40 | --- | --- | --- | 2.0 | 2.4 | 3.0 | 3.7 | 3.7 | 2.3 |
| 1-½" | 50 | --- | --- | 2.0 | 2.4 | 3.0 | 3.7 | 4.6 | 4.6 | 2.9 |
| 2" | 63 | --- | --- | 2.5 | 3.0 | 3.8 | 4.7 | 5.8 | 5.8 | 3.6 |
| 2-½" | 75 | --- | --- | 2.9 | 3.6 | 4.5 | 5.6 | 6.8 | 6.8 | 4.3 |
| 3" | 90 | --- | --- | 3.5 | 4.3 | 5.4 | 6.7 | 8.2 | 8.2 | 5.2 |
| 4" | 110 | --- | --- | 4.2 | 5.3 | 6.6 | 8.1 | 10.0 | 10.0 | 6.3 |
| 5" | 125 | --- | --- | 4.8 | 6.0 | 7.4 | 9.2 | 11.4 | 11.4 | 7.1 |
| - | 140 | --- | --- | 5.4 | 6.7 | 8.3 | 10.3 | 12.7 | 12.7 | 8.0 |
| 6" | 160 | --- | --- | 6.2 | 7.7 | 9.5 | 11.8 | 14.6 | 14.6 | 9.1 |
| - | 180 | --- | --- | 6.9 | 8.6 | 10.7 | 13.3 | 16.4 | 16.4 | 10.3 |
| 8" | 200 | --- | --- | 7.7 | 9.6 | 11.9 | 14.7 | 18.2 | 18.2 | 11.4 |
| - | 225 | --- | --- | 8.6 | 10.8 | 13.4 | 16.6 | 20.5 | 20.5 | 12.8 |
| 10" | 250 | --- | --- | 9.6 | 11.9 | 14.8 | 18.4 | 22.7 | 22.7 | 14.2 |
| - | 280 | --- | --- | 10.7 | 13.4 | 16.6 | 20.6 | 25.4 | 25.4 | 15.9 |
| 12" | 315 | 7.7 | 9.7 | 12.1 | 15.0 | 18.7 | 23.2 | 28.6 | 28.6 | 17.9 |
| 14" | 355 | 8.7 | 10.9 | 13.6 | 16.9 | 21.1 | 26.1 | 32.2 | 32.3 | 20.2 |
| 16" | 400 | 9.8 | 12.3 | 15.3 | 19.1 | 23.7 | 29.4 | 36.3 | 36.4 | 22.8 |
| 18" | 450 | 11.0 | 13.8 | 17.2 | 21.5 | 26.7 | 33.1 | 40.9 | 40.9 | 25.6 |
| 20" | 500 | 12.3 | 15.3 | 19.1 | 23.9 | 29.7 | 36.8 | 45.4 | 45.5 | 28.4 |
| 22" | 560 | 13.7 | 17.2 | 21.4 | 26.7 | 33.2 | 41.2 | 50.8 | 50.9 | 31.9 |
| 24" | 630 | 15.4 | 19.3 | 24.1 | 30.0 | 37.4 | 46.3 | 57.2 | 57.3 | 35.8 |
| 28" | 710 | 17.4 | 21.8 | 27.2 | 33.9 | 42.1 | 52.2 | 64.5 | --- | --- |
| 32" | 800 | 19.6 | 24.5 | 30.6 | 38.1 | 47.4 | 58.8 | 72.6 | --- | --- |
| 36" | 900 | 22.0 | 27.6 | 34.4 | 42.9 | 53.3 | 66.2 | 81.7 | --- | --- |
| 40" | 1000 | 24.5 | 30.6 | 38.2 | 47.7 | 59.3 | 72.5 | 90.2 | --- | --- |
| 48" | 1200 | 29.4 | 36.7 | 45.9 | 57.2 | 67.9 | 88.2 | --- | --- | --- |

STANDARD / SPECIFICATION FOR HDPE TELKOM DUCT TANAM LANGSUNG STELL - 039 - 2008

| Klasifikasi | Ø Nominal (mm) | Wallthickness (mm) | Jumlah Segment / Haspel | |
|-------------|-------------------|-----------------------|-------------------------|------|
| | | | (m) | (m) |
| DTL - I | 32 / 26 | 3.0 | 3200 | 1600 |
| DTL - II | 40 / 33 | 3.5 | 1800 | 900 |
| DTL - III | 50 / 42 | 4.0 | 1000 | 500 |

STANDARD / SPECIFICATION FOR HDPE TELKOM SUB DUCT TUNGGAL STELL - 039 - 2008

| Klasifikasi | Ø Nominal (mm) | Wallthickness (mm) | Jumlah Segment / Haspel | |
|-------------|-------------------|-----------------------|-------------------------|------|
| | | | (m) | (m) |
| SDT - IA | 32 / 27 | 2.5 | 3200 | 1600 |
| SDT - IB | 32 / 28 | 2.0 | 3200 | 1600 |
| SDT - II | 40 / 34 | 3.0 | 1800 | 900 |

Data Teknis

| BAHAN | HDPE PE 100 | MDPE |
|------------------|---|-------------------------|
| Density | 0.958 g/cm ³ | 0.940 g/cm ³ |
| Melt Index | 0.215 g/10 min at 190 ^o C/5.0 kg | 0.2 g/10 min |
| Tensile Strength | 26 Mpa | |
| Break | Min 20 Mpa | Min 20 Mpa |
| Elongation | Min 400% | > 700% |

Standard Panjang Pipa Polyethylene

| Diameter (mm) | Meter / Roll | | | | Meter / Batang | |
|---------------|--------------|-----|-----|-----|----------------|----|
| | 50 | 100 | 200 | 250 | 6 | 12 |
| 20-25 | ● | ● | ● | ● | | |
| 32 | ● | ● | ● | | | |
| 40-63 | ● | ● | | | | |
| 75-110 | ● | | | | | |
| 125-1200 | | | | | ● | ● |

Compression Joint



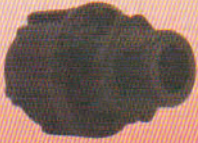
Coupling



Reducer



Elbow



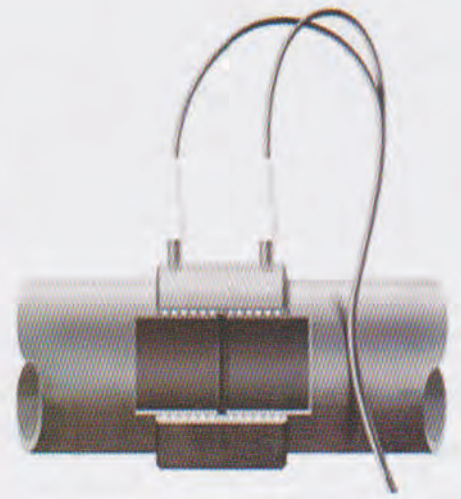
Male Thread Adaptor



Tee



Female Thread Elbow



Electro Fusion



Elbow 90°



Socket



Tee



Tapping Saddle



Reducer



Elbow 45°

Segmented



Bend 45°



Stub End



Reducer



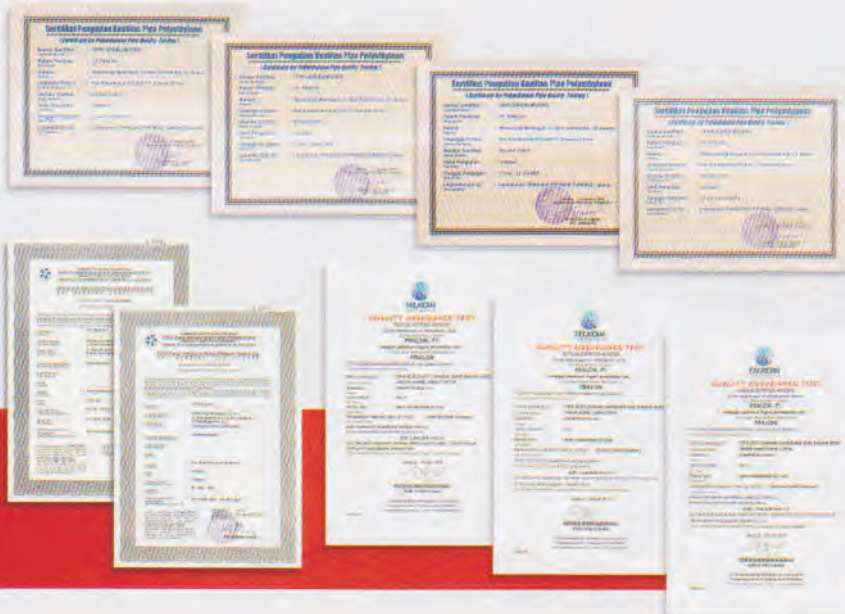
Bend 90°



Tee



Tee Reducer



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