

Yellow High Density PE Pipe

PE Gas Pipe - Dimensions of PE 2406 High Density Yellow Polyethylene Pipe Dimensions

Item	Nominal Size	SDR*	Design Pressure Rating for Natural Gas		Average O.D. Inches	Minimum Wall Thickness Inches	Coil Length Feet	Weight Lbs./Ft.
			PSI**	PSI**				
73105007	3/4"	11	80	1.050	.095	250	.13	
73105010	1"	11	80	1.315	.119	250	.20	
73104012	1-1/4"	10	88	1.660	.166	250	.34	
73105012	1-1/4"	11	80	1.660	.151	250	.31	
73105015	1-1/2"	11	80	1.900	.173	250	.41	
73105020	2"	11	80	2.375	.216	250	.63	
73105030	3"	11	80	3.500	.318	40' Joints	1.35	
73105040	4"	11	80	4.500	.409	40' Joints	2.24	
73105060	6"	11	80	6.625	.602	40' Joints	4.87	
73105080	8"	11	80	8.625	.784	40' Joints	8.27	
73105100	10"	11	80	10.750	.977	40' Joints	12.84	
73105120	12"	11	80	12.750	1.159	40' Joints	18.07	

*Standard Dimension Ratio is calculated by dividing the average OD of the pipe by the minimum wall thickness in inches, as described in ASTM D-2513, par 3.3.

**Pressure is based on a hydrostatic design basis (HDB) of 1250 psi @ 73°F and a class location design factor .32.

ITEM	DESCRIPTION
73105007	3/4 2406 YLW GAS PIPE IPS 250F
73105010	1 2406 YLW GAS PIPE IPS 250FT
73105012	1-1/4 2406 YLW GAS PIPE IPS 250
73105015	1-1/2 2406 YLW GAS PIPE IPS 250
73105020	2 2406 YLW GAS PIPE IPS 250FT
73105030	3 2406 YLW GAS PIPE IPS 20FT

ITEM	DESCRIPTION
73105040	4 SDR-11 2406 GAS PIPE IPS
73105060	6 SDR-11 2406 GAS PIPE IPS
73105080	8 SDR-11 2406 GAS PIPE IPS
73105100	10 SDR-11 2406 GAS PIPE IPS
73105120	12 SDR-11 2406 GAS PIPE IPS

HDPE - SDR 11 Pipe

ITEM	DESCRIPTION
73205020	1 SDR-11 3408 HDPE PIPE IPS
73205015	1-1/2 SDR-11 3408 HDPE PIPE IPS
73205020	2 SDR-11 3408 HDPE PIPE IPS
73205025	2 SDR-11 3408 HDPE PIPE IPS 500
73205030	3 SDR-11 3408 HDPE PIPE IPS
73205040	4 SDR-11 3408 HDPE PIPE IPS
73205050	5 SDR-11 3408 HDPE PIPE IPS
73205060	6 SDR-11 3408 HDPE PIPE IPS
73205080	8 SDR-11 3408 HDPE PIPE IPS
73205100	10 SDR-11 3408 HDPE PIPE IPS
73205120	12 SDR-11 3408 HDPE PIPE IPS
73205140	14 SDR-11 3408 HDPE PIPE IPS
73205160	16 SDR-11 3408 HDPE PIPE IPS
73205180	18 SDR-11 3408 HDPE PIPE IPS
73205200	20 SDR-11 3408 HDPE PIPE IPS

HDPE Pipe - SDR 11 (160 PSI) Dimensions

Item	Nominal IPS Diameter	Actual Outside Diameter	Minimum Wall (Inches)	Weight (lb./ft.)
	Inches	Inches	(Inches)	(lb./ft.)
73205020	2	2.375	0.216	0.644
73205025	2	2.375	0.216	0.644
73205030	3	3.500	0.318	1.397
73205040	4	4.500	0.409	2.310
73205050	5	5.563	0.506	3.533
73205060	6	6.625	0.602	5.006
73205080	8	8.625	0.784	8.487
73205100	10	10.750	0.977	13.160
73205120	12	12.750	1.159	18.550
73205140	14	14.000	1.273	22.370
73205160	18	18.000	1.455	29.220
73205160	18	18.000	1.636	36.960
73205200	20	20.000	1.818	45.630

HDPE - SDR 17 Pipe

ITEM	DESCRIPTION
73209030	3 SDR-17 3408 HDPE PIPE IPS
73209040	4 SDR-17 3408 HDPE PIPE IPS
73209050	5 SDR-17 3408 HDPE PIPE IPS
73209060	6 SDR-17 3408 HDPE PIPE IPS
73209080	8 SDR-17 3408 HDPE PIPE IPS
73209100	10 SDR-17 3408 HDPE PIPE IPS

ITEM	DESCRIPTION
73209120	12 SDR-17 3408 HDPE PIPE IPS
73209140	14 SDR-17 3408 HDPE PIPE IPS
73209160	16 SDR-17 3408 HDPE PIPE IPS
73209180	18 SDR-17 3408 HDPE PIPE IPS
73209200	20 SDR-17 3408 HDPE PIPE IPS
73209220	22 SDR-17 3408 HDPE PIPE IPS
73209240	24 SDR-17 3408 HDPE PIPE IPS

HDPE Pipe - Grade PE 2406 Typical Physical Properties

Property (determined on compression molded specimen)	ASTM Test Method	Nominal Value
Density, gm/cc.....	D 1505	0.941
Melt Index, gm/10 min.....	D 1238-E	0.02
High Load Melt Index, gm/10 min.....	D 1238-F	19.9
Tensile Strength (break), psi.....	D 638	4500
Tensile Strength (yield), ps.....	D 638	3000
Ultimate Elongation %	D 638	>800
Flexural Modulus, psi.....	D 790	110,000
Environmental Stress Crack Resistance, F ₀ , Hours (50°C).....	D1693 ConditionB 25% IGEPAI	>2000
F ₂₀ , hours (100°C).....	ConditionC	>5000
Brittleness Temperature, °C.....	D 746	<-117
Melting Point, °C	D 789	127
Hardness, Shore D	D 2240	63
Vicat Softening Temperature, °C.....	D 1525	121
Volume Resistivity, ohm-cm	D 991	2.6 x 10 ¹⁶
ASTM D-1248 Classification:	Type II	Class B
ASTM D-3350 Classification:	234433E	
Recommended Hydrostatic Design Stress: 630 psi @ 73.4°F		
Manufactured in accordance with ASTM D-2513		

HDPE Pipe - Grade PE 3408 Typical Physical Properties

Property (determined on compression molded specimen)	Test Method	Typical Value
Tensile Strength (break), psi.....	D 638	4500
Ultimate Elongation %	D 638	850
Flexural Modulus, psi.....	D 790	120,000
Tensile Strength (yield), ps.....	D 638	3,200
Brittleness Temperature, °C.....	D 746	<-100
Melt Index, g/10 minutes.....	D 1238	0.10
High Load Melt Index, g/10 minutes.....	D 1238	12
DSC Induction Temperature, °C.....	D 3350	>250
DSC Induction Time, minutes at 210°C (100% Oxygen)		25
Melting Point, °C ^(a)		127
Crystallization Point, °C ^(a)		113
Vicat Softening Temperature, °C.....		121
Density, g/cm ³ (base resin).....	D 1505	0.944
Density, g/cm ³ (compound).....	D 1505	0.954
Environmental Stress Crack Resistance, F ^o Hours	D1693	<2000
Thermally Aged Environmental Stress Crack Resistance, F ^o , Hrs.....	D 1693	<2500
Durometer Hardness, Shore "D"	D 2240	58
Linear Thermal Coefficient of Expansion, in/in/°C (-30°C to +30°C)....	D 696	1.4 X 10 ⁻⁴
Izod Impact, Ft.-lbs./in. notch at 23°C ...	D 256	3.0

Note: Typical physical properties data sheet of grade PE 2406 and 3406 upon request

PE PIPE FITTINGS Coupling

ITEM	DESCRIPTION
73429020	2IPS PE3408 HDPE COUPLING S/F
73429030	3IPS PE3408 HDPE COUPLING S/F
73429040	4IPS PE3408 HDPE COUPLING S/F

Tee

ITEM	DESCRIPTION
73501020	2IPS PE3408 HDPE TEE B/F
73501030	3IPS PE3408 HDPE TEE B/F
73501040	4IPS PE3408 HDPE TEE B/F

90° Ell

ITEM	DESCRIPTION
73506020	2IPS PE3408 HDPE 90 ELL B/F
73506030	3IPS PE3408 HDPE 90 ELL B/F
73506040	4IPS PE3408 HDPE 90 ELL B/F

45° Ell

ITEM	DESCRIPTION
73517030	3IPS PE3408 HDPE 45 ELL B/F
73517040	4IPS PE3408 HDPE 45 ELL B/F

Reducing Bushing

ITEM	DESCRIPTION
73534338	3 X 2 PE3408 HDPE R/BUSH B/F
73537420	4 X 2 PE3408 HDPE R/BUSH B/F
73537422	4 X 3 PE3408 HDPE R/BUSH B/F

Cap

ITEM	DESCRIPTION
73547020	2IPS PE3408 HDPE CAP B/F
73547030	3IPS PE3408 HDPE CAP B/F
73547040	4IPS PE3408 HDPE CAP B/F

Back-Up Ring

ITEM	DESCRIPTION
73553020	2IPS 150# D.I. BACK-UP RING
73553030	3IPS 150# D.I. BACK-UP RING
73553040	4IPS 150# D.I. BACK-UP RING

Butterfly Adapter

ITEM	DESCRIPTION
73555020	2IPS PE3408 HDPE BUTTERFLY ADP
73555030	3IPS PE3408 HDPE BUTTERFLY ADP
73555040	4IPS PE3408 HDPE BUTTERFLY ADP

Flange Adapter

ITEM	DESCRIPTION
73556020	2IPS PE3408 HDPE FLG ADP BUT/F
73556030	3IPS PE3408 HDPE FLG ADP BUT/F
73556040	4IPS PE3408 HDPE FLG ADP BUT/F

Beverage Grade PVC Tubing

ITEM	DESCRIPTION
74125034	1/4 ID X 1/2 OD BEV TBG BLUE
74128034	1/4 ID X 1/2 OD BEV TBG YELLOW
74128053	3/8 ID X 5/8 OD BEV TBG YELLOW
74128073	1/2 ID X 3/4 OD BEV TBG YELLOW

Braided Tubing

ITEM	DESCRIPTION
74141034	1/4 ID X 1/2 OD BRAIDED TBG
74141053	3/8 ID X 5/8 OD BRAIDED TBG
74141074	1/2 ID X 13/16 OD BRAIDED TBG
74141112	3/4 ID X 1 OD BRAIDED TBG
74141134	1 ID X 1-3/8 OD BRAIDED TBG

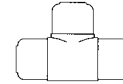
Polyethylene Tubing

ITEM	DESCRIPTION
74141153	1-1/2 ID X 2 OD BRAIDED TBG
74141173	2 ID X 2-1/2 OD BRAIDED TBG
74233019	.170 ID X 1/4 OD LLDPE TBG BLK
74233032	1/4 OD X 3/8 ID LLDPE TBG BLK
74233051	3/8 ID X 1/2 OD LLDPE TBG BLK
74235019	.170 ID X 1/4 OD LLDPE TBG BLU
74237019	.170 ID X 1/4 OD LLDPE TBG NAT
74237032	1/4 ID X 3/8 OD LLDPE TBG NAT
74237051	3/8 ID X 1/2 OD LLDPE TBG NAT

CONSTAB I.D. SEAL FITTINGS

Features

- Internal and external seal
- Self-locking gripper
- Moisture lip
- Uni-body design eliminating all external parts
- Meets or exceeds all D.O.T. and ASTM requirements
- Simple assembly



Tee

ITEM	DESCRIPTION
75120500	1/2CTS/090 CONSTAB YELLOW TEE
75160700	3/4IPS/SDR11 CONSTAB YEL TEE
75161000	1IPS/SDR11 CONSTAB YELLOW TEE



90° Ell

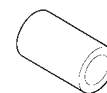
ITEM	DESCRIPTION
75320500	1/2CTS/090 CONSTAB YEL 90 ELL
75360700	3/4IPS/SDR11 CONSTAB YEL 90 ELL
75361000	1IPS/SDR11 CONSTAB YEL 90 ELL



Coupling

ITEM	DESCRIPTION
75520500	1/2CTS/090 CONSTAB YELLOW COUP
75560700	3/4IPS/SDR11 CONSTAB YEL COUP
75561000	1IPS/SDR11 CONSTAB YEL COUP
75561200	1-1/4/SDR11 CONSTAB YEL COUP
75561500	1-1/2/SDR11 CONSTAB YEL COUPL
75562000	2/SDR11 CONSTAB YELLOW COUP

Chamfering Tool



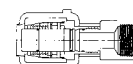
Chamfers both the O.D. and I.D. of the pipe and can be used to mark the stab depth.

ITEM	DESCRIPTION
75760702	3/4IPSX1/2CTS CONSTAB CHAMF TL
75761000	1 IPS CONSTAB CHAMFER TOOL
75761200	1-1/4IPS CONSTAB CHAMFER TOOL
75762000	2 IPS CONSTAB CHAMFER TOOL



Cap

ITEM	DESCRIPTION
75820500	1/2CTS/090 CONSTAB YELLOW CAP
75860700	3/4IPS/SDR11 CONSTAB YEL CAP
75861000	1 IPS/SDR11 CONSTAB YEL CAP



Transition Fitting

ITEM	DESCRIPTION
75960700	3/4IPS X 3/4FPT CONSTAB ADPT
75960708	3/4IPS X 1 FPT CONSTAB ADPT