

33 52 Hydrocarbon Transmission and Distribution

33 52 16 – Gas Hydrocarbon Piping

33 52 16.23 Medium Density Polyethylene Piping		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
6616	2" IPS diameter	B-20	16.67	1.440	Ea.	175	73		248	300
6618	SDR 11.5, 1" CTS diameter		18.67	1.286		69.50	65		134.50	174
6620	SDR 12.5, 1" CTS diameter		18.67	1.286		72	65		137	177
8100	Fittings, accessories									
8105	SDR 11, IPS unless noted CTS									
8110	Protective sleeves, for high volume tapping tees, butt fusion outlets	1 Skwk	16	.500	Ea.	6.65	29.50		36.15	51.50
8120	For tapping tees, socket outlets, CTS, 1/2" diameter		18	.444		1.73	26		27.73	41.50
8122	1" diameter		18	.444		3.06	26		29.06	43
8124	IPS, 1/2" diameter		18	.444		2.39	26		28.39	42
8126	3/4" diameter		18	.444		3.06	26		29.06	43
8128	1" diameter		18	.444		4.17	26		30.17	44
8130	1-1/4" diameter		18	.444		5.25	26		31.25	45.50
8205	Tapping tee test caps, type I, yellow PE cap, "aldyl style"		45	.178		54	10.45		64.45	74.50
8210	Type II, yellow polyethylene cap		45	.178		55	10.45		65.45	75.50
8215	High volume, yellow polyethylene cap		45	.178		69	10.45		79.45	91.50
8250	Quick connector, female x female inlets, 1/4" N.P.T.		50	.160		22.50	9.40		31.90	39
8255	Test hose, 24" length, 3/8" ID, male outlets, 1/4" N.P.T.		50	.160		31	9.40		40.40	48
8260	Quick connector and test hose assembly		50	.160		54	9.40		63.40	73
8305	Purge point caps, butt fusion, SDR 10, 1-1/4" diameter	B-22C	27	.593	Ea.	39	31	9.25	79.25	99
8310	SDR 11, 1-1/4" diameter		27	.593		39	31	9.25	79.25	99
8315	2" diameter		24	.667		39.50	35	10.40	84.90	107
8320	3" diameter		24	.667		54.50	35	10.40	99.90	123
8325	4" diameter		18	.889		53.50	46.50	13.85	113.85	144
8340	Socket fusion, SDR 11, 1-1/4" diameter		27	.593		9.75	31	9.25	50	67.50
8345	2" diameter		24	.667		11.70	35	10.40	57.10	76.50
8350	3" diameter		24	.667		71.50	35	10.40	116.90	142
8355	4" diameter		18	.889		52.50	46.50	13.85	112.85	143
8360	Purge test quick connector, female x female inlets, 1/4" N.P.T.	1 Skwk	50	.160		22.50	9.40		31.90	39
8365	Purge test hose, 24" length, 3/8" ID, male outlets, 1/4" N.P.T.		50	.160		31	9.40		40.40	48
8370	Purge test quick connector and test hose assembly		50	.160		54	9.40		63.40	73
8405	Transition fittings, MDPE x zinc plated steel, SDR 7, 1/2" CTS x 1/2" MPT	B-22C	30	.533		30	28	8.30	66.30	83.50
8410	SDR 9.3, 1/2" IPS x 3/4" MPT		28.50	.561		46.50	29.50	8.75	84.75	105
8415	SDR 10, 1-1/4" IPS x 1-1/4" MPT		27	.593		44.50	31	9.25	84.75	106
8420	SDR 11, 3/4" IPS x 3/4" MPT		28.50	.561		23.50	29.50	8.75	61.75	79.50
8425	1" IPS x 1" MPT		27	.593		29	31	9.25	69.25	88.50
8430	1-1/4" IPS x 1-1/4" MPT		17	.941		54	49	14.65	117.65	149
8435	1-1/2" IPS x 1-1/2" MPT		25.50	.627		55.50	33	9.75	98.25	121
8440	2" IPS x 2" MPT		24	.667		63	35	10.40	108.40	133
8445	SDR 11.5, 1" CTS x 1" MPT		28	.571		39	30	8.90	77.90	97.50

33 52 16.26 High Density Polyethylene Piping

2010	HIGH DENSITY POLYETHYLENE PIPING									
2020	ASTM D2513, not including excavation or backfill									
2200	Butt fused pipe									
2205	125psi coils, butt fusion joint @ 100', 1/2" CTS diameter, SDR 7	B-22C	2050	.008	L.F.	.16	.41	.12	.69	.92
2210	160psi coils, butt fusion joint @ 100', IPS 1/2" diameter, SDR 9		1950	.008		.21	.43	.13	.77	1.01
2215	3/4" diameter, SDR 11		1950	.008		.31	.43	.13	.87	1.12
2220	1" diameter, SDR 11		1850	.009		.51	.45	.13	1.09	1.39
2225	1-1/4" diameter, SDR 11		1850	.009		.75	.45	.13	1.33	1.66
2230	1-1/2" diameter, SDR 11		1750	.009		1.40	.48	.14	2.02	2.41
2235	2" diameter, SDR 11		1750	.009		1.14	.48	.14	1.76	2.12
2240	3" diameter, SDR 11		1650	.010		1.88	.51	.15	2.54	3
2245	160psi 40' lengths, butt fusion joint, IPS 3" diameter, SDR 11	B-22A	660	.061		2.04	3.16	.99	6.19	8.05