



PRESSURE PIPES

PVC-U / PE 100 / PP-H

PLASTIC
PRESSURE PIPES
FOR HIGH
DEMANDING
INDUSTRIAL, BUILDING
AND INFRASTRUCTURE
APPLICATIONS.

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PE - 100 PRESSURE PIPE HIGH DENSITY POLYETHYLENE:

PE 100 has excellent processability and very good UV resistance. The good chemical resistance, combined with its robustness and rigidity, make it suitable for a versatile range of applications.

HDPE PROPERTIES:

- Very good pressure rating.
- Excellent corrosion resistance.
- Excellent combination of stability and flexibility.
- Outstanding UV and weather-resistance in black composition.

TEMPERATURE RANGE:

-40°C to +80°C.

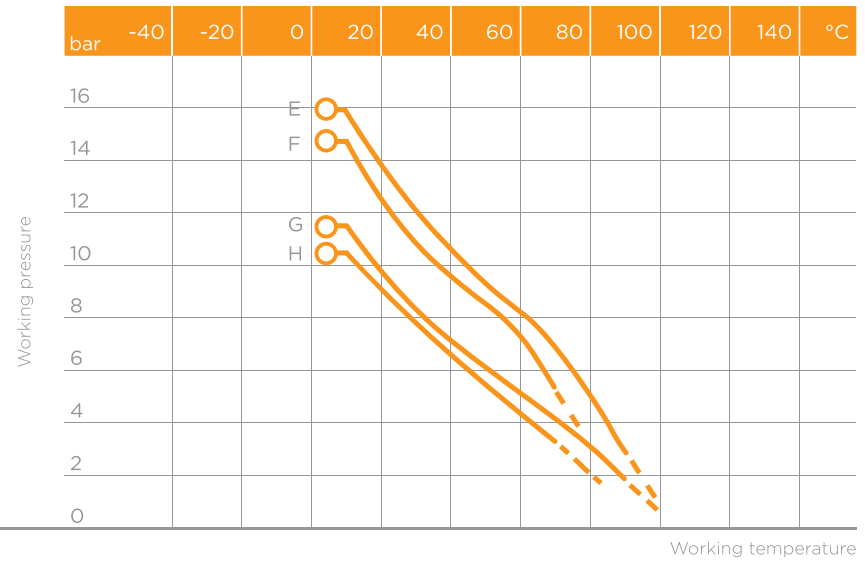


TECHNICAL DATA

PRESSURE VARIATION ACCORDING TO TEMPERATURE

For water and non-hazardous fluids with regard to which the material is classified as CHEMICALLY RESISTANT. In other cases, a reduction of the nominal pressure PN is required.

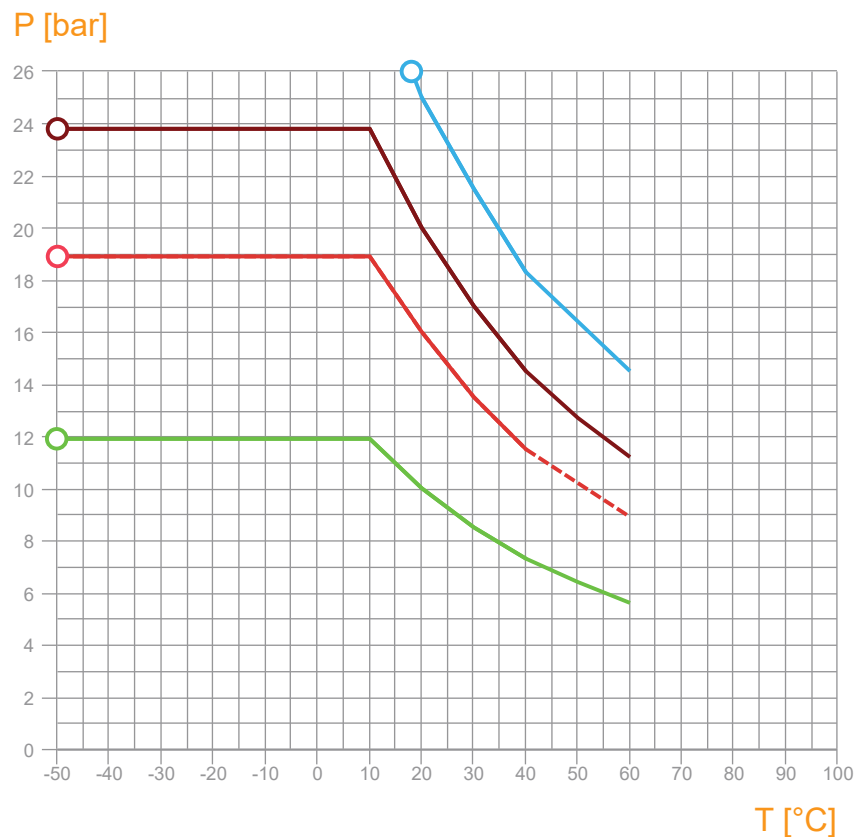
- E = SDR 11 ISO-S5 - 10 years
- F = SDR 11 ISO-S5 - 50 years
- G = SDR 17.6 ISO-S8.3 - 10 years
- H = SDR 17.6 ISO-S8.3 - 50 years



REGRESSION CURVE FOR PVC-U PIPE

Regression coefficients according to EN ISO 1452 and EN ISO 15493 for MRS (minimum required strength).

- PE100, SDR 7.4, C1,25
- PE100, SDR9, PN 20, C=1.25
- PE100, SDR11, PN 16, C=1.25
- PE100, SDR17/17.6, PN 10, C=1.25



**PE 100
PRESSURE
PIPES**
**SDR -21
PN 08**

PART #	Ø DIAMETER	DN	OUTSIDE DIAMETER	INSIDE DIAMETER	WALL THICKNESS	KG/Mtr.
O229KPI0125HP	40	32	40	36	2.0	0.240
O229KPI0150HP	50	40	50	45.2	2.4	0.360
O229KPI0200HP	63	50	63	57	3.0	0.570
O229KPI0250HP	75	65	75	67.8	3.6	0.810
O229KPI0300HP	90	80	90	81.4	4.3	1.160
O229KPI0400HP	110	100	110	99.4	5.3	1.750
O229KPI0450HP	125	100	125	113	6.0	2.250
O229KPI0500HP	140	125	140	126.6	6.7	2.810
O229KPI0600HP	160	150	160	134.6	7.7	3.690
O229KPI0700HP	180	150	180	162.8	8.6	4.640
O229KPI0800HP	200	200	200	180.8	9.6	5.760
O229KPI0900HP	225	200	225	203.4	10.8	7.290
O229KPI1000HP	250	250	250	226.2	11.9	8.930
O229KPI1100HP	280	250	280	253.2	13.4	11.250
O229KPI1200HP	315	300	315	285	15.0	14.180
O229KPI1400HP	355	350	355	321.2	16.9	18.000
O229KPI1600HP	400	400	400	360.6	19.7	22.920
O229KPI1800HP	450	-	450	407	21.5	29.020
O229KPI2000HP	500	-	500	452.2	23.9	35.850
O229KPI2200HP	560	-	560	506.6	26.7	44.860
O229KPI2400HP	630	-	630	570	30.0	56.700
O229KPI2800HP	710	-	710	642.2	33.9	72.200
O229KPI3100HP	800	-	800	723.8	38.1	91.450
O229KPI3500HP	900	-	900	814.5	42.9	115.830
O229KPI4000HP	1000	-	1000	904.6	47.7	143.100
O229KPI4800HP	1200	-	1200	1085.6	57.2	205.930

PE 100 PRESSURE PIPES

**SDR-17
PN 10**

PART #	Ø DIAMETER	DN	OUTSIDE DIAMETER	INSIDE DIAMETER	WALL THICKNESS	KG/Mtr.
O229LPI0075HP	25	20	25	21	2.0	0.140
O229LPI0100HP	32	25	32	28	2.0	0.190
O229LPI0125HP	40	32	40	35.2	2.4	0.280
O229LPI0150HP	50	40	50	44	3.0	0.440
O229LPI0200HP	63	50	63	55.4	3.8	0.710
O229LPI0250HP	75	65	75	66	4.5	1.000
O229LPI0300HP	90	80	90	79.2	5.4	1.440
O229LPI0400HP	110	100	110	96.8	6.6	2.150
O229LPI0450HP	125	100	125	110.2	7.4	2.741
O229LPI0500HP	140	125	140	123.4	8.3	3.440
O229LPI0600HP	160	150	160	141	9.5	4.500
O229LPI0700HP	180	150	180	158.6	10.7	5.710
O229LPI0800HP	200	200	200	176.2	11.9	7.050
O229LPI0900HP	225	200	225	198.2	13.4	8.930
O229LPI1000HP	250	250	250	220.4	14.8	10.970
O229LPI1100HP	280	250	280	247.8	16.6	13.770
O229LPI1200HP	315	300	315	277.6	18.7	17.450
O229LPI1400HP	355	350	355	312.8	21.1	22.190
O229LPI1600HP	400	400	400	352.6	23.7	28.090
O229LPI1800HP	450	-	450	396.6	26.7	35.600
O229LPI2000HP	500	-	500	440.6	29.7	44.000
O229LPI2200HP	560	-	560	493.6	33.2	55.100
O229LPI2400HP	630	-	630	555.2	37.4	69.820
O229LPI2800HP	710	-	710	625.8	42.1	88.580
O229LPI3100HP	800	-	800	705.2	47.4	112.380
O229LPI3500HP	900	-	900	793.4	53.3	142.170
O229LPI4000HP	1000	-	1000	881.4	59.3	175.730
O229LPI4800HP	1200	-	1200	1058.8	70.6	251.190

**PE 100
PRESSURE
PIPES**
**SDR -13.6
PN 12.5**

PART #	Ø DIAMETER	DN	OUTSIDE DIAMETER	INSIDE DIAMETER	WALL THICKNESS	KG/Mtr.
O229MPI0075HP	25	20	25	21	2.0	-
O229MPI0100HP	32	25	32	27.2	2.4	-
O229MPI0125HP	40	32	40	34	3.0	-
O229MPI0150HP	50	40	50	42.6	3.7	-
O229MPI0200HP	63	50	63	53.6	4.7	-
O229MPI0250HP	75	65	75	63.8	5.6	-
O229MPI0300HP	90	80	90	76.6	6.7	-
O229MPI0400HP	110	100	110	93.8	8.1	-
O229MPI0450HP	125	100	125	106.6	9.2	-
O229MPI0500HP	140	125	140	119.4	10.3	-
O229MPI0600HP	160	150	160	136.4	11.8	-
O229MPI0700HP	180	150	180	156.4	13.3	-
O229MPI0800HP	200	200	200	170.6	14.7	-
O229MPI0900HP	225	200	225	191.8	16.6	-
O229MPI1000HP	250	250	250	213.2	18.4	-
O229MPI1100HP	280	250	280	238.8	20.6	-
O229MPI1200HP	315	300	315	268.6	23.2	-
O229MPI1400HP	355	350	355	302.8	26.1	-
O229MPI1600HP	400	400	400	341.5	29.4	-
O229MPI1800HP	450	-	450	383.8	33.1	-
O229MPI2000HP	500	-	500	426.4	36.8	-
O229MPI2200HP	560	-	560	477.6	41.2	-
O229MPI2400HP	630	-	630	537.4	46.3	-
O229MPI2800HP	710	-	710	605.6	52.2	-
O229MPI3100HP	800	-	800	682.4	58.8	-
O229MPI3500HP	900	-	900	767.6	66.2	-
O229MPI4000HP	1000	-	1000	853	73.5	-

PE 100 PRESSURE PIPES

**SDR-11
PN 16**

PART #	Ø DIAMETER	DN	OUTSIDE DIAMETER	INSIDE DIAMETER	WALL THICKNESS	KG/Mtr.
O229NPI0050HP	20		20	16	2.0	0.110
O229NPI0075HP	25	20	25	20	2.5	0.170
O229NPI0100HP	32	25	32	26	3.0	0.270
O229NPI0125HP	40	32	40	33.2	3.7	0.420
O229NPI0150HP	50	40	50	40.8	4.6	0.660
O229NPI0200HP	63	50	63	51.4	5.8	1.050
O229NPI0250HP	75	65	75	61.4	6.8	1.460
O229NPI0300HP	90	80	90	73.6	8.2	2.110
O229NPI0400HP	110	100	110	90	10.0	3.150
O229NPI0450HP	125	100	125	102.2	11.4	4.080
O229NPI0500HP	140	125	140	114.6	12.7	5.090
O229NPI0600HP	160	150	160	130.8	14.6	6.690
O229NPI0700HP	180	150	180	147.5	16.4	8.450
O229NPI0800HP	200	200	200	163.6	18.2	10.420
O229NPI0900HP	225	200	225	184	20.5	13.210
O229NPI1000HP	250	250	250	205.6	22.7	16.250
O229NPI1100HP	280	250	280	229.2	25.4	20.370
O229NPI1200HP	315	300	315	257.8	28.6	25.800
O229NPI1400HP	355	350	355	290.6	32.2	32.740
O229NPI1600HP	400	400	400	327.4	36.3	41.590
O229NPI1800HP	450	-	450	368.2	40.9	52.710
O229NPI2000HP	500	-	500	409.2	45.4	65.020
O229NPI2200HP	560	-	560	458.4	50.8	81.490
O229NPI2400HP	630	-	630	515.6	57.2	103.210
O229NPI2800HP	710	-	710	581	64.5	131.160
O229NPI3100HP	800	-	800	654.4	72.8	166.770

**PE 100
PRESSURE
PIPES**
**SDR-9
PN 20**

PART #	Ø DIAMETER	DN	OUTSIDE DIAMETER	INSIDE DIAMETER	WALL THICKNESS	KG/Mtr.
O229PPI0050HP	20	20	20	15.4	2.3	0.090
O229PPI0075HP	25	25	25	19	3.0	0.130
O229PPI0100HP	32	32	32	24.8	3.6	0.210
O229PPI0125HP	40	40	40	31	4.5	0.500
O229PPI0150HP	50	50	50	38.8	5.6	0.780
O229PPI0200HP	63	65	63	48.8	7.1	1.250
O229PPI0250HP	75	80	75	58.2	8.4	1.760
O229PPI0300HP	90	100	90	69.8	10.1	2.540
O229PPI0400HP	110	100	110	85.4	12.3	3.790
O229PPI0450HP	125	125	125	97	14.0	4.900
O229PPI0500HP	140	150	140	108.6	15.7	6.150
O229PPI0600HP	160	150	160	124.2	17.9	8.010
O229PPI0700HP	180	200	180	139.8	20.1	10.120
O229PPI0800HP	200	200	200	155.2	22.4	12.530
O229PPI0900HP	225	250	225	174.6	25.2	15.860
O229PPI1000HP	250	250	250	194.2	27.9	19.520
O229PPI1100HP	280	300	280	217.4	31.3	24.520
O229PPI1200HP	315	350	315	244.6	35.2	31.030
O229PPI1400HP	355	400	355	275.6	39.7	39.430
O229PPI1600HP	400	-	400	310.6	44.7	50.030
O229PPI1800HP	450	-	450	349.4	50.3	63.340

PE 100 PRESSURE PIPES

**SDR -7.4
PN 25**

PART #	Ø DIAMETER	DN	OUTSIDE DIAMETER	INSIDE DIAMETER	WALL THICKNESS	KG/Mtr.
O229QPI0050HP	20	20	20	14	3.0	0.160
O229QPI0075HP	25	25	25	18	3.5	0.240
O229QPI0100HP	32	32	32	23.2	4.4	0.380
O229QPI0125HP	40	40	40	29	5.5	0.600
O229QPI0150HP	50	50	50	36.2	6.9	0.940
O229QPI0200HP	63	65	63	45.8	8.6	1.470
O229QPI0250HP	75	80	75	54.4	10.3	2.100
O229QPI0300HP	90	100	90	65.4	12.3	3.010
O229QPI0400HP	110	100	110	79.8	15.1	4.510
O229QPI0450HP	125	125	125	90.8	17.1	5.810
O229QPI0500HP	140	150	140	101.6	19.2	7.310
O229QPI0600HP	160	150	160	116.2	21.9	9.530
O229QPI0700HP	180	200	180	130.8	24.6	12.040
O229QPI0800HP	200	200	200	145.2	27.4	14.900
O229QPI0900HP	225	250	225	163.4	30.8	18.840
O229QPI1000HP	250	250	250	181.6	34.2	23.250
O229QPI1100HP	280	300	280	203.4	38.3	29.160
O229QPI1200HP	315	350	315	228.8	43.1	36.920
O229QPI1400HP	355	400	355	258	48.5	46.830
O229QPI1600HP	400	-	400	290.6	54.7	59.500
O229QPI1800HP	450	-	450	327	61.5	75.270



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