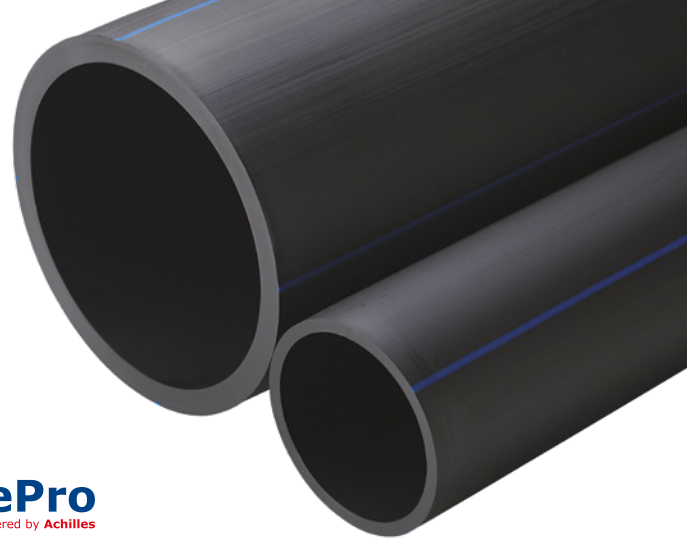


tubería
POLIETILENO
PE-100



CARACTERÍSTICAS MECÁNICAS PE-100

Contenido en negro de carbono: $2,25 \pm 0,25$ %

Tiempo de inducción a la oxidación: > 20 minutos

Índice de fluidez: Cambio tras la transformación del $\pm 20\%$ respecto a la materia prima

Alargamiento en la rotura: > 350%

CARACTERÍSTICAS FÍSICAS.

PRESIÓN INTERNA:

PE-100

CARACTERÍSTICAS	REQUISITOS	PARÁMETROS
Presión interna a 20°C	Sin fallo en ninguna probeta	Temperatura ensayo: 20° Duración ensayo: 100 horas Esfuerzo circunfer.: 12,4 MPa
Presión interna a 80°C	Sin fallo en ninguna probeta	Temperatura ensayo: 80°C Duración ensayo: 165 horas Esfuerzo circunfer.: 5,4 Mpa

CARACTERÍSTICAS QUÍMICAS.

Según normas ISO 4433-1:1997 e ISO 4433-2:1997

PRESIÓN NOMINAL (bar)	Ø NOMINAL (mm)	Ø EXTERIOR MEDIO	ESPESOR EN UN PUNTO	OVALACIÓN	INTERIOR DE LA BOBINA	
6 atm (SDR 26)	50	50 + 0.4	2 / 2.3	< 1,4	> 900	
	63	63 + 0.4	2.5 / 2.9	< 1,5	> 1134	
	75	75 + 0.5	2.9 / 3.3	< 1,6	> 1350	
	90	90 + 0.6	3.5 / 4.0	< 1.8	> 1620	
	110	110 + 0.7	4.2 / 4.8	< 2.2	> 1980	
	125	125 + 0.8	4.8 / 5.4	< 2.5	N/A	
	140	140 + 0.9	5.4 / 6.1	< 2.8	N/A	
	160	160 + 1.0	6.2 / 7.0	< 3.2	N/A	
	180	180 + 1.1	6.9 / 7.7	< 3.6	N/A	
	200	200 + 1.2	7,7 / 8.6	< 4.0	N/A	
	225	225 + 1.4	8.6 / 9.6	< 4.5	N/A	
	250	250 + 1.5	9.6 / 10.7	< 5.0	N/A	
	280	280 + 1.7	10.7 / 11.9	< 9.8	N/A	
	315	315 + 1.9	12.1 / 13.5	< 11.1	N/A	
	355	355 + 2.2	13.6 / 15.1	< 12.5	N/A	
	400	400 + 2.4	15.3 / 17.0	< 14.0	N/A	
	450	450 + 2.7	17.2 / 19.1	< 15.6	N/A	
	500	500 + 3.0	19.1 / 21.2	< 17.5	N/A	
	8 atm (SDR 21)	560	560 + 3.4	21.4 / 23.7	< 19.6	N/A
		630	630 + 3.8	24.1 / 26.7	< 22.1	N/A
710		710 + 6.4	27.2 / 30.1	< 24.9	N/A	
10 atm (SDR 17)	800	800 + 7.2	30.6 / 33.8	< 28.0	N/A	
	400	400 + 2.4	19.1 / 21.2	< 14	N/A	
	450	450 + 2.7	21.5 / 23.8	< 15.6	N/A	
	710	710 + 6.4	33.9 / 37.4	< 24.9	N/A	
	32	32 + 0.3	2.0 / 2.3	< 1.3	> 576	
	40	40 + 0.4	2.4 / 2.8	< 1.4	> 720	
	50	50 + 0.4	3.0 / 3.4	< 1.4	> 900	
	63	63 + 0.4	3.8 / 4.3	< 1.5	> 1134	
	75	75 + 0.5	4.5 / 5.1	< 1.6	> 1350	
	90	90 + 0.6	5.4 / 6.1	< 1.8	> 1620	
	110	110 + 0.7	6.6 / 7.4	< 2.2	> 1980	
	125	125 + 0.8	7.4 / 8.3	< 2.5	N/A	
	140	140 + 0.9	8.3 / 9.3	< 2.8	N/A	
	160	160 + 1.0	9.5 / 10.6	< 3.2	N/A	
	180	180 + 1.1	10.7 / 11.9	< 3.6	N/A	
	200	200 + 1.2	11.9 / 13.2	< 4.0	N/A	
	225	225 + 1.4	13.4 / 14.9	< 4.5	N/A	
	250	250 + 1.5	14.8 / 16.4	< 5.0	N/A	
	280	280 + 1.7	16.6 / 18.4	< 9.8	N/A	
	315	315 + 1.9	18.7 / 20.7	< 11.1	N/A	
355	355 + 2.2	21.1 / 23.4	< 12.5	N/A		
400	400 + 2.4	23.7 / 26.2	< 14.0	N/A		
450	450 + 2.7	26.7 / 29.5	< 15.6	N/A		
500	500 + 3.0	29.7 / 32.8	< 17.5	N/A		
560	560 + 3.4	33.2 / 36.7	< 19.6	N/A		
630	630 + 3.8	37.4 / 41.3	< 22.1	N/A		
710	710 + 6.4	42.1 / 46.5	< 24.9	N/A		
800	800 + 7.2	47.4 / 52.3	< 28.0	N/A		

PRESIÓN NOMINAL (bar)	Ø NOMINAL (mm)	Ø EXTERIOR MEDIO	ESPESOR EN UN PUNTO	OVALACIÓN	INTERIOR DE LA BOBINA
16 atm (SDR 11)	20	20 + 0.3	2.0 / 2.3	< 1.2	> 360
	25	25 + 0.3	2.3 / 2.7	< 1.2	> 450
	32	32 + 0.3	3.0 / 3.4	< 1.3	> 576
	40	40 + 0.4	3.7 / 4.2	< 1.4	> 720
	50	50 + 0.4	4.6 / 5.2	< 1.4	> 900
	63	63 + 0.4	5.8 / 6.5	< 1.5	> 1134
	75	75 + 0.5	6.8 / 7.6	< 1.6	> 1350
	90	90 + 0.6	8.2 / 9.2	< 1.8	> 1620
	110	110 + 0.7	10.0 / 11.1	< 2.2	> 1980
	125	125 + 0.8	11.4 / 12.7	< 2.5	N/A
	140	140 + 0.9	12.7 / 14.1	< 2.8	N/A
	160	160 + 1.0	14.6 / 16.2	< 3.2	N/A
	180	180 + 1.1	16.4 / 18.2	< 3.6	N/A
	200	200 + 1.2	18.2 / 20.2	< 4.0	N/A
	225	225 + 1.4	20.5 / 22.7	< 4.5	N/A
	250	250 + 1.5	22.7 / 25.1	< 5.0	N/A
	280	280 + 1.7	25.4 / 28.1	< 9.8	N/A
	315	315 + 1.9	28.6 / 31.6	< 11.1	N/A
	355	355 + 2.2	32.2 / 35.6	< 12.5	N/A
	400	400 + 2.4	36.3 / 40.1	< 14.0	N/A
450	450 + 2.7	40.9 / 45.1	< 15.6	N/A	
500	500 + 3.0	45.4 / 50.1	< 17.5	N/A	
560	560 + 3.4	50.8 / 56.0	< 19.6	N/A	
630	630 + 3.8	57.2 / 63.1	< 22.1	N/A	
20 atm (SDR 9)	63	63 + 0.4	7.1 / 8.0	< 1.5	> 1134
	90	90 + 0.6	10.1 / 11.3	< 1.8	> 1620
	110	110 + 0.7	12.3 / 13.7	< 2.2	> 1980
	140	140 + 0.9	15.7 / 17.4	< 2.8	N/A
	160	160 + 1.0	17.9 / 19.8	< 3.2	N/A
25 atm (SDR 7.4)	200	200 + 1.2	22.4 / 24.8	< 4.0	N/A
	25	25 + 0.3	3.5 / 4.0	< 1.2	> 450
	32	32 + 0.3	4.4 / 5.0	< 1.3	> 576
	40	40 + 0.4	5.5 / 6.2	< 1.4	> 720
	50	50 + 0.4	6.9 / 7.7	< 1.4	> 900
	63	63 + 0.4	8.6 / 9.6	< 1.5	> 1134
	90	90 + 0.6	12.3 / 13.7	< 1.8	> 1620
	125	125 + 0.8	17.1 / 19.0	< 2.5	N/A
160	160 + 1.0	21.9 / 24.2	< 3.2	N/A	