

TECHNICAL DATA SHEET

PRODUCT : PEHD PIPES
STANDARD : WITHOUT STANDARD
APPLICATION : IRRIGATION and
CABLE PASSAGE
COLOR : NOIR



CHARACTERISTICS	REQUIRED	TEST METHODS
Density	$\geq 940 \text{ kg/m}^3$	EN ISO 1183
Fluidity index (MFI) - 190°C / 5 kg	$0.30 \div 0.90 \text{ g/10 min}$	EN ISO 1133
Hot shrinkage at 110°C	$\leq 3 \%$	EN ISO 2505
Resistance to hydraulic pressure at 20° / 7.0 MPa	$\geq 100 \text{ h}$	EN ISO 1167-1 et 2
OIT - Oxidation induction time at 200°C	$\geq 15'$	ISO 11357-6
Carbon black content (%)	$2.0 \div 2.5$	ISO 6964
Stress at yield point	$\geq 19 \text{ MPa}$	ISO 6259
Elongation at break	$\geq 200 \%$	ISO 6259

Another characteristic: linear thermal expansion $0.18 \div 0.22 \text{ mm/m } ^\circ\text{C}$

DIMENSION CHARACTERISTICS – EN ISO 3126

DN (mm)	Ø EXT min (mm)	Ø EXT max (mm)	OVAL. max (mm)	PN 6		PN 8		PN 10		PN 16	
				SDR 26		SDR 21		SDR 17		SDR 11	
				≠ min (mm)	≠ max (mm)	≠ min (mm)	≠ max (mm)	≠ min (mm)	≠ max (mm)	≠ min (mm)	≠ max (mm)
32	32.0	32.3	1.3					2.4	2.3	3.0	3.4
40	40.0	40.4	1.4			2.0	2.3	2.4	2.8	3.7	4.2
50	50.0	50.4	1.5	2.0	2.3	2.4	2.8	3.0	3.4	4.6	5.2
63	63.0	63.4	1.6	2.5	2.9	3.0	3.4	3.8	4.3	5.8	6.5
75	75.0	75.5	1.8	2.9	3.3	3.6	4.1	4.5	5.1	6.8	7.6
90	90.0	90.6	1.8	3.5	4.0	4.3	4.9	5.4	6.1	8.2	9.2
110	110.0	110.7	2.2	4.2	4.8	5.3	6.0	6.6	7.4	10.0	11.1
125	125.0	125.8	2.5	4.8	5.4	6.0	6.7	7.4	8.3	11.4	12.7
140	140.0	140.9	2.8	5.4	6.1	6.7	7.5	8.3	9.3	12.7	14.1
160	160.0	161.0	3.2	6.2	7.0	7.7	8.6	9.5	10.6	14.6	16.2
180	180.0	181.1	3.6	6.9	7.7	8.6	9.6	10.7	11.9	16.4	18.2
200	200.0	201.2	4.0	7.7	8.6	9.6	10.7	11.9	13.2	18.2	20.2
225	225.0	226.4	4.5	8.6	9.6	10.8	12.0	13.4	14.9	20.5	22.7
250	250.0	251.5	5.0	9.6	10.7	11.9	13.2	14.8	16.4	22.7	25.1
280	280.0	281.7	9.8	10.7	11.9	13.4	14.9	16.6	18.4	25.4	28.1
315	315.0	316.9	11.1	12.1	13.5	15.0	16.6	18.7	20.7	28.6	31.6
355	355.0	357.2	12.5	13.6	15.1	16.9	18.7	21.1	23.4	32.2	35.6
400	400.0	402.4	14.0	15.3	17.0	19.1	21.2	23.7	26.2	36.3	40.1
450	450.0	452.7	15.6	17.2	19.1	21.5	23.8	26.7	29.5	40.9	45.1
500	500.0	503.0	17.5	19.1	21.2	23.9	26.4	29.7	32.8	45.4	50.1