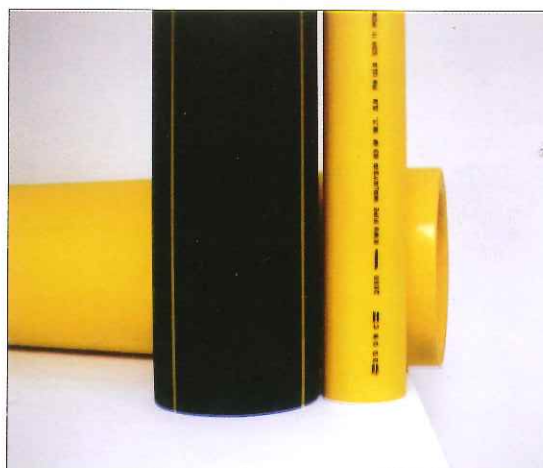


# PE-MD GAS PIPE MATERIAL & DIMENSION DATA SHEET

Type of Pipe	Yellow Pipe
Size	20 - 315mm OD
Pressure Class	SDR 11 & SDR17.6
Standard Length	20 - 32mm OD = 100m 50 - 110mm OD = 50 - 100m 125mm OD = 50m 160 - 315mm OD = 6 or 12m
Applications	LPG, Natural Gas
Standard	MS 1086 ISO 4437



Yellow Pipe

## Typical Properties of Polyethylene Pipe Material

Properties	Value	Unit
Density of compound	940	Kg/m <sup>3</sup>
Melt flow Index	0.85	g/10 min.
Material required strength	8	mpa
Tensile stress at yield	18	mpa
Elongation at break	>600	%
Modulus of Elasticity	700	mpa
Oxidation Induction Time (200C)	>40	min
Linear Thermal Expansion (20 - 60C)	0.15	mm/m°C
Environmental Stress Crack Resistance	>1000	hrs

## Range of Pipes

Nominal O.D	Nominal Wall thickness	
	SDR 17.6 (S-8.3) ° mm	SDR 11 (S-5) ° mm
20	-	3.0
25	-	3.0
32	-	3.0
40	-	3.7
50	-	4.6
63	3.6	5.8
75	4.3	6.8
90	5.2	8.2
110	6.3	10.0
125	7.1	11.4
140	8.0	12.7
160	9.1	14.6
180	10.3	16.4
200	11.4	18.2
225	12.8	20.5
250	14.2	22.7
280	15.9	25.4
315	17.9	28.6