

Date: 11 Sep 2024

<b>Technical Data Sheet for HDPE PIPE AS PER IS 4984:2016</b>				
<b>Pipe Size: PE 100 PN 6 DN 160 SDR 21</b>				
<b>Manufacturer: Reliance Industries Ltd; Brand: RELPIPE</b>				
Sl. No.	Parameter	Units	Clause as per IS 4984:2016	Specified Value
1	Visual Appearance		7.1	Free from grooving and other Defects
2	<b>Dimension of Pipes</b>			
	2.1) Outer Diameter	mm	7.4.1.1	160 mm + 1.2 mm
	2.2) Wall Thickness	mm	7.4.1.1	Min 7.7 mm – Max 8.6 mm
	2.3) Ovality	mm	7.4.1.2	3.2 mm
	<b>Performance Requirements</b>			
3	Hydraulic Characteristics @80°C/5.7Mpa/48 Hours (Acceptance Test)		8.1.1 (Table 5)	No localized Swelling or Leakage during the test period
4	Longitudinal Reversion Test	%	8.2	shall not be greater than 3%
5	Carbon Black Content	%	8.3	2.5± 0.5 %
6	Carbon Black Dispersion	-----	8.3	Dispersion of carbon black shall be Satisfactory
7	Melt Flow Rate	gms/10mins	8.4	(0.2-1.1) MFR shall not deviate from the MFR of the resin by more than 30 percent
8	Density	Kg/m <sup>3</sup>	8.7	930-960 Kg/m <sup>3</sup>
9	Oxidation Induction Time	Minutes	8.5	Shall not be less than 20 min
10	Elongation at Break	%	8.9	≥ 350 percent
11	Marking on Pipe	-----	10.1	Mfgr's name, Designation of Pipe & Lot Number+ Customer Req

Remarks: The above product meet the requirement of IS 4984:2016 with amendments

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