



## TECHNICAL DATA - SHEET OF MDPE PIPE

Product :- SANGIR-MDPE PIPE

**SANGIR MDPE PIPES Meets or Exceeds**

**ISO 4427 & ISO 4437&IS 14885**

**Sizes: 20 MM TO 630 MM**

PROPERTIES OF PRODUCT	STANDARD	Data	Unit
DENSITY	ISO - 1183 / ASTM 1505	≥ 0.930	g/cc
MELT FLOW RATE (190°C/5 kg)	ISO - 1133 / ASTM D 1238	<1.4	g/10min
HARDNESS ( SHORE-D)	ASTM D 2240	> 50	Shore-D
TENSILE STRENGTH @ YIELD	ISO - 527 / ASTM D 638 Type-IV	≥ 15	Mpa
ELONGATION @ BREAK	ISO - 527 / ASTM D 638 Type-IV	≥ 350	%
IMPACT STRENGTH	DIN 8078/ ISO 179	NO BREAK	KJ/M <sup>2</sup>
HYDRO STATIC STRENGTH(80°C,4.5Mpa Hoop stress,165 Hrs)	DIN EN ISO 1167	NO LEAK NOR BURST	
LONGITUDINAL HEAT REVERSION(110°C)	DIN EN ISO 2505	< 3	%
<b><u>PROPERTIES OF COMPOUND MATERIAL:</u></b>			
FLEXURAL MODULS	ASTM D 790/ISO 178	≥700	Mpa
BRITTLNESS TEMPERATURE	ASTM D 746	<-70	°C
THERMAL STABILITY(OIT)	ASTM D 3350	≥20	Minutes

**Sangir MDPE PIPES used for service in Raw water,Potable water&Gas distribution**

The information & data presented herein are typical values and should not be construed as specification. The information & data are subject to change without prior intimation based on research & development work undertaken by the company.