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## **TECHNICAL DATA - SHEET OF HDPE SHEET**

**Product :- SANGIR-HDPE SHEET(BLACK-COLOUR)**

**SANGIR HDPE SHEETS AVAILBLE IN PE 100,PE80 , THERMOFORMING & REGULAR GRADE**

**Regular Sizes: 2.00 mm to 30 mm Or As per customer specific sizes**

<b>PROPERTIES OF PRODUCT</b>	<b>STANDARD</b>	<b>Data</b>	<b>Unit</b>
DENSITY(BASE)	ISO - 1183 / ASTM 1505	≥ 0.940	g/cc
DENSITY(BLACK)	ISO - 1183 / ASTM 1505	≥ 0.950	g/cc
MELT FLOW RATE (190°c/5.00 kg)	ISO - 1133 / ASTM D 1238	< 0.2-1.4	g/10min
HARDNESS ( SHORE-D)	ASTM D 2240	> 62	Shore-D
TENSILE STRENGTH @ YIELD	ISO - 527 / ASTM D 638 Type-IV	≥ 19	Mpa
ELONGATION @ BREAK	ISO - 527 / ASTM D 638 Type-IV	≥ 350	%
CARBON BLACK CONTENT(UV STABILIZER)	ASTM D 1603	≥ 2-3	%
<b><u>PROPERTIES OF COMPOUND MATERIAL:</u></b>			
FLEXURAL MODULS	ASTM D 790	≥ 758	Mpa
PENT	ASTM F 1473	>500	Hrs
BRITTLENESS TEMPERATURE	ASTM F 746	< -70	°C
VICAT SOFTENING TEMPERATURE	ASTM D 1525	> 124	°C
THERMAL EXPANSION	ASTM D 696	1.0 X10 <sup>-4</sup>	In/in/°F
THERMAL STABILITY(OIT)	ASTM D 3350	≥20	Minutes

**Sangir HDPE Sheets used for service in Insulations,Raw water,Potable water,CBM Gas,Oil& Natural Gas,Mining, Thermoforming etc.**

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.



