

Ref : KPRL/PPHI/28

PP HI TECH stands for Polypropylene High temperature & high Chemical resistance sheets.

PP HI-TECH Sheets are made of revolutionary new Isotactic Poly Propylene which has a high temperature resistance and withstands chemical attacks at elevated temperatures, thereby giving better chemical resistance at elevated temperatures.

The sheets are stress relieved and gives same properties in both transverse and longitudinal direction, therefore allowing fabrication of sheets into tanks with minimum warping and increased dimensional stability during fabrication process . **For more details please refer enclosed statement.**

The sheets have a mirror finish on both surface and protected with stiff film to prevent any scratches during transportation and fabrication.

The sheets have excellent rigidity combined with very good welding and machining properties making it ideal for fabrication of large tanks.

We are confident that you are satisfied with the quality and durability of our above products. We now request you to kindly favour us with your valued order for the above item, which will be executed promptly .

We now request you to please expedite your enquiry for the above enable us to submit our competitive offer. In case you need any other query or information please feel free to mail us at info@polyrib.com or visit us at www.polyrib.com

PP HI-TECH PHYSICAL PROPERTIES

Typical Properties (Physical)	Method	Value	Unit
Density	ISO 1183	0.091	g/cm ³
Mechanical			
Tensile Stress at yield (23° C, v = 50 mm/min)	ISO 527-1, -2	32	Mpa
Tensile Creep Modulus 1h	ISO 899-1	1250	Mpa
Impact			
Charpy unnotched impact strength (23° C)	ISO 179	No Break	kJ/m ²
Charpy notched impact strength (23° C)	ISO 179	9.0	kJ/m ²
Hardness			
Shore hardness (Shore D (3 sec))	ISO 868	71	

Ball indentation hardness (H 358/30)	ISO 2039-1	67	Mpa
<u>Thermal</u>			
Heat deflection temperature B (0.45 Mpa)	ISO 75B-1,2	90	°C
Unannealed		150	°C
Vicat softening temperature (VST/A/50K/h(10N))			