

NovaRene PS Sheets are made from polystyrene which is an aromatic polymer made from aromatic monomer styrene, a liquid hydrocarbon that is commercially manufactured from petroleum by the chemical industry. Polystyrene is one of the most widely used kinds of plastic. Solid polystyrene in forms of sheets etc is used, for e.g, in disposable cutlery, plastic models, CD and DVD cases, and smoke detector housings. The two different grades of PS, GPPS and HIPS offer a variety of solutions and are chosen depending on impact resistance required in the sheets. High impact polystyrene can be assembled with mechanical fasteners, solvents, or adhesives. HIPS is FDA compliant for use in food processing.

Key Features:-

- Low cost
- Easily Printable
- Easy to assemble with adhesives or solvents
- Outstanding thermoforming characteristics
- Good machinability
- High impact strength with HIPS
- Non Corrosive
- Textures available
- Semi Translucent with good luminescence values available

Standard Sizing:-

Thickness (in mm)	Width x Length (in m)	Packing
0.1 -1	1.1m wide x roll	Roll Form
1.1 - 2	-do-	
2.1-3	Roll & 1.0 x 2.5m	
4	1 x 2.5 1.22 x 2.44	10 Nos.
5		
6		

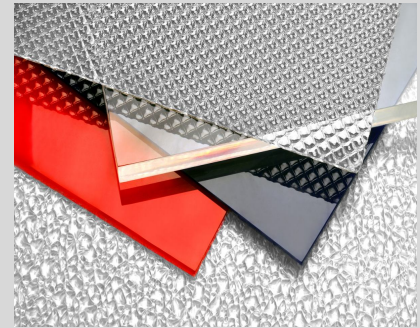
Custom sizes available

Grades:

HIPS, GPPS, Co Extrusion of HIPS/GPPS

Colours:

White, Custom / transparent



Typical Applications:-

- Disposables cutlery
- Refrigeration Enclosures
- ThermoFormed Articles
- Automobile Body parts
- Suitcase Inners Separators
- Replace Designer Glass Sheets
- Lighting Fixtures
- Printed Advertising Displays, Kiosks
- POP displays
- Models & Prototypes
- Shelves
- Picture frames

Typical Properties

Properties	Test Method	Unit	Value
Specific gravity (ρ)	ISO 1183	g/cm ³	1.05
Elongation at break	ISO 527	%	40
Notch impact strength	ISO 179	KJ/m ²	12
Impact Strength	ISO 179	KJ/m ²	NB
Modulus of elasticity	ISO 527-1	Mpa	2000
Vicat Softening Temperature	ISO 306	°C	84
Shore Hardness	ISO 868	Shore- D	80

N.B.: Technical data refers to average values. The information provided above is based on the values measured in our laboratory as well as independent laboratories. The quoted values are based on specific resin properties and are subject to change without prior notice.

For further details on the product, kindly contact us at :

e-mail: emarketing@sangir.com / sales@sangir.com

Tel: +91 022 28717800 (30 lines)