



Styrene Acrylonitrile Sheets- SAN

Styrene acrylonitrile –SAN is a copolymer plastic consisting of styrene and acrylonitrile. It is widely used in place of polystyrene owing to its greater thermal resistance. The relative composition is typically between 70 and 80% styrene and 20 to 30% acrylonitrile. Larger acrylonitrile content improves mechanical properties and chemical resistance these extruded copolymer sheets are highly resistant to water absorption as well.

We also provide SAN solid UV2 sheets which are co-extruded by UV coating on both the sides of the sheets which provide an extra protection to weathering and environmental conditions.

Range of SAN Sheet

Description	Color	Thickness (mm)	Standard Dimension Width(mm) X Length(mm)
SAN Solid	Clear, Opal, Opaque white	1.0-15.0	1220 x 2440 ;2000 x 3000; 2050 x 3000; 2050 x 3050
SAN Prismatic	Clear, Opal	2.8-15.0	1220 x 2440
		3.0-15.0	2000 x 3000; 2050 x 3000; 2050 x 3050
SAN Diffuser Plain	Clear, Opal	1.5-15.0	1220 x 2440 ;2000 x 3000; 2050 x 3000;2050 x 3050
SAN Diffuser Matte		1.5-15.0	
SAN Solid - UV2	Clear, Opal	1.5-15.0	1220 x 2440 ;2000 x 3000; 2050 x 3000; 2050 x 3050

Note: Customized sizes and colors can be made available

Application of SAN Sheet

- Industrial door glazing
- Room dividers/partitions
- Machine Protectors
- Flat or curved shower screens
- Screen printing
- Advertising signs
- Fittings for shops and exhibitions
- Lamps and ceiling light

Features of SAN Sheet

- Lightweight. Lower density than PC and PMMA (1.08 kg/cm³)
- High stiffness
- Good transparency and high brightness
- Good thermal resistance
- Good chemical resistance
- Good mechanical performance
- Better impact than GPPS
- Low water absorption
- Can be easily thermoformed

