

SAN

Description:

Styrene Acrylonitrile (SAN) is a copolymer of styrene with acrylonitrile. SAN is transparent and glossy. It is suitable for many application areas such as scratch resistance, cosmetic materials and automobile stop signal lamps.

SAN has excellent chemical resistance, transparency, heat resistance, easy processing and mechanical properties. It is used in general purpose polystyrene applications requiring additional chemical resistance and high temperature resistance. It is used in many application areas such as kitchen equipment, electrical and electronic devices, automobile parts and lighters production.

It is regularly in our stocks in granule and burr forms.

Features	
Specific Gravity	1.04-1.08 g/cm ³
Tensile Force	105 Mpa
Elastic Module	3200-3600 Mpa
Impact Resistance	1.5-3.0 kj/m ²
Deformation Temperature	100 °C
Pre-Drying	75-90 °C for 2-4 hours
Processing temperature	190-280 °C

Advantages:

- Wide range of thermal/mechanical properties
- Impact Strength
- Glossy Surface Appearance
- Dimensional Stability
- Machinability
- Bright colors
- Transparency
- Wide color gamut
- Chemical Resistance

Scope of Application:

- In Medical Devices
- In Electronic Devices (Device Panel Windows)
- In Household Goods
- In cars
- In Packaging (Food and Cosmetic Packaging)
- On Refrigerator Doors
- In toys
- In clock and radio booths
- In Furniture Making
- In Blender Construction
- In the reservoirs of water treatment devices
- In Filter Chambers
- In the Lighter Body
- In Hydraulic Parts

