

STYRENE MONOMER**TECHNICAL SPECIFICATIONS**

Description	Specification		Unit	Test Method
	Min.	Max.		
Styrene Monomer	99.5		%(w/w)	
Ethyl benzene		150	ppm	
polymer		10	ppm	
Aldehydes as Benzaldehyde		100	ppm	
t-Butyl Catechol	10	15	ppm	
Peroxides		30	ppm	
Colour, APHA		15		ASTM D5386
TYPICAL VALUES				
Chlorides as Cl		5	ppm	
Sulfur		2	ppm	
Specific Gravity @20/4oC	0.906	0.908		
Viscosity @20oC		0.800	centipoise	

*The figures indicated on the table are standard values.

APPLICATIONS

- Styrene Monomer is most commonly used in the production of valuable styrene homopolymers and copolymers, which are either solid (SPS) or expandable (EPS). Some SPS grades are used for the production of disposable transparent containers and EPS grades are useful in the fabrication of block for thermal insulation and boxes for vegetables and fruits.
- High Impact Polystyrene (HIPS), is polystyrene blended with rubber with better mechanical properties useful in the production of dairy product, packaging materials and sheets.
- The copolymers of SM with butadiene and/or acrylonitrile give valuable products combining characteristics of synthetic rubbers and strong plastics.