

Styrene

Styrene Monomer

Product Characteristics

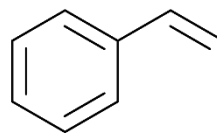
Styrene Monomer is a colorless liquid with a particular odor; it is the base compound in the production of polystyrene (PS, HIPS and EPS) and a main compound in the production of copolymers such as ABS, SAS and SBC. It is largely used in the production of acrylic and polyester resins and latexes.

Synonyms: Phenylethylene, Vinylbenzene.

Chemical Information

- Formula: C₈H₈
- Molar Weight: 104.15 g/mol
- CAS Number: 100-42-5

Structure:



Typical Applications

- Polystyrene
- Synthetic Rubber (SBR)
- Engineering Plastics
- Copolymers and Derivatives
- Polystyrene resins
- Packing

Property Table

Properties	Typical Values	Units	Methods
Styrene	99,7 mín.	wt. %	ASTM D 5135-07
Ethylbenzene	0,15 máx.	wt. %	ASTM D 5135-07
Inhibitor (TBC)	12,5	wt. ppm	ASTM D 4590
Polymer	10 máx.	wt. ppm	ASTM D 2121-16
Water	200 máx.	wt. ppm	ASTM D 7375-08
Color, Pt-Co	10 máx.	APHA	ASTM D 1209-11

The information presented in this Data Sheet reflects typical values obtained in our laboratories, should not be considered as absolute or as warranted values.

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