

Technical Data Sheet

SM

Styrene Monomer

General Information

● Description

- Styrene Monomer(SM) is produced by reacting ethylbenzene, which is obtained from the synthesis of benzene and ethylene.
- The colorless liquid with a unique odor is used as raw material for PS, EPS, ABS, SB latex, synthetic resin coating, ion exchange resin, etc.

● Application

- ◆ ABS, EPS, PS, SBR

Physical Properties¹

Test Item	Specifications	Testing Method
Purity	Min. 99.6 wt.%	ASTM D 5135
Ethylbenzene	Max. 500 wt.ppm	ASTM D 5135
TBC (Inhibitor)	5~20 wt.ppm	ASTM D 4590
Polymer	Max 10 wt.ppm	ASTM D 2121
Peroxide (as H ₂ O ₂)	Max. 50 wt.ppm	ASTM D 2340
Total Sulfur	Max. 10 wt.ppm	ASTM D 2340
Aldehyde (as C ₆ H ₅ CHO)	Max. 200 wt.ppm	ASTM D 2119
Color (APHA)	Max. 10	ASTM D 1209
Penylacetylene	REPORT	G.C.

NOTE

¹ Physical Properties : these are not to be construed as specifications