

# Styrene Monomer

SM

## Overview

SM is produced by reacting ethyl benzene synthesized with benzene and ethylene as raw materials. It's a liquid product with a unique odor at room temperature.

## Application

Raw materials for PS, SBR, and ABS.

## Physical properties

Item	Test Method	Unit	Typical Value
SP.GR(60/60°F)	ASTM D4052	-	0.911
COLOR(Pt-Co)	ASTM D5386	-	LT10
ETHYL BENZENE	ASTM D5135	Wt ppm	132
PURITY	ASTM D5135	Wt %	99.86
POLYMER	ASTM D2121	Wt ppm	2
ALDEHYDE(AS BENZALDEHYDE)	ASTM D2119	Wt ppm	LT30
PEROXIDE(AS H <sub>2</sub> O <sub>2</sub> )	ASTM D2340	Wt ppm	LT20
INHIBITOR(TBC)	ASTM D4590	Wt ppm	12
CHLORIDE	ASTM D5808	Wt ppm	LT1
SULFUR	ASTM D5453	Wt ppm	LT1.0
WATER	ASTM D6304	Wt ppm	49

Note: The data is a representative value of the guide material and may be changed depending on the manufacturing raw material and process situation.

## Certification

EU REACH Registration (EC NO 202-851-5)

For further inquiries, please contact us at the address or phone number below.

## Contact information

Hanwha TotalEnergies Petrochemical co. Ltd.  
www.htpchem.com

Sales Office  
04525 No.92, Sejong-daero, Jung-gu, 16,18-20F, Hanwha Finance Plaza, Seoul, Republic of Korea  
16th floor of Hanwha Financial Plaza  
T. 82-2-3415-9365 T. 82-2-3415-9463

Energy Customer Technical Support Team  
31900 103, Dokgot 2-ro, Daesan-eup, Seosan-si, Chungcheongnam-do, Republic of Korea  
T. 82-41-660-6831 F. 82-41-660-6290

## Disclaimer

This document is copyrighted by Hanwha TotalEnergies Petrochemical. All information is for reference only and is not the specifications of the final product. Customers should make their own judgments as to whether our products and information serve a particular purpose and what regulations apply to customers' use of such products. Hanwha TotalEnergies Petrochemical is not responsible or obligated for the contents of this document. Hanwha TotalEnergies Petrochemical provides no warranties of any kind, either express or implied (such as merchantability and or fitness for a particular purpose, etc.) with respect to any information contained in this material. Hanwha TotalEnergies Petrochemical may arbitrarily change the contents of this material without prior notice.