

# 苯乙烯

**性质** 苯乙烯为无色透明液体单体,具有化学活性高、易发生聚合反应、溶解性优异的特点。

**用途** 用于生产聚苯乙烯(PS)、可发性聚苯乙烯(EPS)、ABS树脂、丁苯橡胶(SBR);广泛应用于塑料餐具、家电外壳、汽车轮胎、泡沫包装等领域。

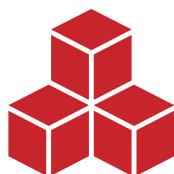
检测项目	检测方法	指标	单位
外观	自然光下目视观察	透明液体,无可见机械杂质和游离水	/
纯度	GB/T 12688	≥99.8	w%
聚合物	GB/T 12688	≤10	mg/kg
过氧化物(以过氧化氢计)	GB/T 12688	≤50	mg/kg
总醛(以苯甲醛计)	GB/T 12688	≤100	mg/kg
色度	GB/T 605 或 GB/T 6324.6	≤10	铂-钴色号
乙苯	GB/T 12688	≤0.08	w%
阻聚剂(TBC)	GB/T 12688	10-15(或按需)	mg/kg
水分	GB/T 6283 或 GB/T 6324.8	双方约定	mg/kg

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# STYRENE MONOMER

**Property** Styrene is a colorless and transparent liquid monomer, featuring high chemical activity, easy polymerization reaction, and excellent solubility.

**Use** Mainly used for producing polystyrene (PS), expandable polystyrene (EPS), ABS resin, styrene-butadiene rubber (SBR); widely applied in fields such as plastic tableware, household appliance casings, automobile tires, and foam packaging.

Testing Item	Testing Method	Index	Unit
Appearance	Visual inspection under natural light	Transparent liquid, no visible mechanical impurities or free water	/
Purity	GB/T 12688	≥99.8	w%
Polymer	GB/T 12688	≤10	mg/kg
Peroxide (as H <sub>2</sub> O <sub>2</sub> )	GB/T 12688	≤50	mg/kg
Total aldehydes (as benzaldehyde)	GB/T 12688	≤100	mg/kg
Colority	GB/T 605 or GB/T 6324.6	≤10	Pt-Co color scale
Ethylbenzene	GB/T 12688	≤0.08	w%
Inhibitor (TBC)	GB/T 12688	10-15 (or as required)	mg/kg
Moisture	GB/T 6283 or GB/T 6324.8	Mutually agreed	mg/kg

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