

## STYRENE

Styrene is used for production of polystyrene plastics, SBR rubbers, lacquers and adhesives, expandable polystyrene plastics for construction, ABS plastics and various thermoplastic elastomers. EB grade is produced by catalytic dehydrogenation of ethylbenzene. POSM grade is produced by dehydration of methylphenylcarbinol in the process of styrene / propylene oxide co-production.

CAS Number: 100-42-5

Design specification: GOST 10003-90

PROPERTY	VALUE		TEST METHOD
	EB	POSM	
Styrene mass content, %, min.	99.80	99.80	para. 3.3 of GOST
Phenylacetylene mass content, %, max.	0.01	-	para. 3.3 of GOST
Methylethylacrolein mass content, %, max.	-	0.006	para. 3.3 of GOST
Divinyl benzene mass content, %, max.	0.0005	-	para. 3.3 of GOST
Acetophenone mass content, %, max.	-	0.006	para. 3.3 of GOST
Carbonyls mass content in terms of benzaldehyde, %, max.	0.01	0.01	para. 3.4 of GOST
Peroxidates mass content in terms of active oxygen, %, max.	0.0005	0.0005	para. 3.5 of GOST
Polymer mass content, %, max.	0.001	0.001	para. 3.6 of GOST
Platinum cobalt scale color, Hazen, max.	10	10	para. 3.7 of GOST
Para-tert-butyl-pyrocatechol stabilizer mass content, %	0.0005 - 0.0010	0.0005 - 0.0010	para. 3.8 of GOST

**Supply form:** Transparent homogeneous liquid without mechanical impurities and undissolved moisture.

**Packaging:** Product is shipped in railway tank-cars and drums.

**Transportation:** Product is transported in covered railway and motor transport means.

**Storage:** Storage in stainless steel, aluminum and bimetallic reservoirs with internal layer of aluminum or carbon steel under a nitrogen blanket. Storage temperature should not exceed 20°C.

*Information contained in this document is provided to the best of our knowledge and is considered true as per revision date. This specification does not release the customer from obligation to check the product as to its suitability for intended area of usage. We do not accept any liability for loss and damage that may occur from the use of this information.*