



1,3 Butadiene

1,3-Butadiene is a simple diene with the formula C_4H_6 . It is an important industrial chemical used as a monomer in the production of synthetic rubber. Butadiene production process overview. Over 95% of butadiene is produced as a by-product of ethylene production from steam crackers. The crude C4 stream isolated from the steam cracking process is fed to butadiene extraction units, where butadiene is separated from the other C4s by extractive distillation. Butadiene is used as Synthetic Rubbers and Resistant Polymers and products like PBR, ABS, BDSR.

TYPICAL SPECIFICATION			
CHARACTERISTICS	UNIT	SPECIFICATION	TEST METHOD
1,3 Butadiene	wt%	Min 99.6	ASTM D 2593
1,2 Butadiene	wt pp	Max 100	ASTM D 2593
Total Butenes	Wt%	Max 0.5	ASTM D 2593
Total Acetylenes	wt pp	Max 60	ASTM D 2593
TBC	wt pp	50-200	BASF Methode
Peroxides	wt pp	Max 5	BASF Methode
Non Volatile Residue	wt%	Max 0.1	BASF Methode
Total Sulfur	wt pp	Max 5	ASTM D 5453
Oxygen in Vapor Phase	mol %	Max 0.2	Portable Trace Oxygen