



Polymers


**Aromatic &
Chemicals**

 Fuel & Feeds
Stock

ETHYLENE

Physical Properties	UNIT	TEST METHOD	SELLING	SELLING	POLYMER
			ETHYLENE A	ETHYLENE B	GRADE
			Value	Value	ETHYLENE
Ethylen Purity	mol %		≥ 99.9	≥ 99.9	≥ 99.95
Hydrogen	ppm vol	ASTM D2504	≤ 10	≤ 5	≤ 5
Carbon Monoxide	ppm vol	ASTM D2504	≤ 2	≤ 2	≤ 0.1
Carbon Dioxide	ppm vol	ASTM D2505	≤ 5	≤ 5	≤ 0.1
Total Sulfur	ppm vol	ASTM D6667	≤ 2	≤ 2	≤ 1
Methane + Ethane	ppm vol	ASTM D2505	≤ 1000	≤ 500	≤ 500
Acetylene	ppm vol	ASTM D2505	≤ 5	≤ 5	≤ 1
Total C3 & higher	ppm vol	ASTM D2505	≤ 10	≤ 10	≤ 10
Total Combined					
Nitrogen calculated as NH3	ppm vol	ASTM D4629	≤ 1	≤ 1	≤ 0.2
Water	ppm vol	ASTM D5454	≤ 10	≤ 5	≤ 0.1
Oxygen	ppm vol	Equipment Manufacturing	≤ 5	≤ 5	≤ 0.5
Methanol & other Solvent	ppm vol	ASTM D4815	≤ 10	≤ 5	≤ 0.5

APPLICATION

SELLING ETHYLENE A: is shipped as a product of ASPC

SELLING ETHYLENE B: is shipped as a product of ASPC

POLYMER GRADE ETHYLENE: is used as raw material in polymer plant