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Technical Data Sheet for Butane

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Product Description

Butane is an organic compound with the formula C_4H_{10} . Butane is a gas at room temperature and atmospheric pressure. Butanes are highly flammable, colorless, easily liquefied gases.

Typical Application

Normal butane can be used for gasoline blending, as a fuel gas, either alone or in a mixture with propane, and as a feedstock for the manufacture of ethylene and butadiene, a key ingredient of synthetic rubber. Isobutane is primarily used by refineries to enhance (increase) the octane number of motor gasoline. When blended with propane and other hydrocarbons, it may be referred to commercially as LPG, for liquefied petroleum gas. It is used as a petrol component, as a feedstock for the production of base petrochemicals in steam cracking, as fuel for cigarette lighters and as a propellant in aerosol sprays such as deodorants.

Typical Data

TYPICAL TEST	UNIT	SPECIFICATION	TEST METHOD
Ethane	MOL %	0.08 Max.	ASTM D -2163
Propane	MOL %	2 Max.	ASTM D -2163
Total - C4	MOL %	97.5 Min.	ASTM D -2163
Total - C5	MOL %	0.82 Max.	ASTM D -2163
Total Olefin	MOL %	0.1 Max	ASTM D -2163
Copper Corrosion	--	NO. 1 a	ASTM D -1838
Hydrogen Sulfide	VOL PPM	Nil	ASTM D-2420/DRAGER
Sp.Gr @ (60/60°F)	--	To Be Reported	ASTM D - 2598
Total Sulfur	WT PPM	30 Max.	"UV-F (Based On ASTM D - 6667)"
Vapour-Pressure @ (100° F)	psi	70 Max.	ASTM D - 2598
Water Content	VOL PPM	10 Max.	"ASTM D-7995 Based On karl fischer"
Residue on Evaporation	VOL%	0.05 Max.	ASTM D - 2158

Licensors

R.M PARSONS

Processing Conditions

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Packing

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Storage and Handling

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Combustibility

Please refer to the product Material Safety Data Sheet (MSDS) offering customers help to better satisfy their particular handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations.

Note: This information is based on our current knowledge and experience. In view of many factors that may affect processing and application, this data does not relieve processors from the responsibility of carrying out their own tests and experiments, neither does it imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.