

TEHNICAL PROPANE		
	PURITY 97≥ 98,9	
Butane, n-	≤ 1,5%	Vol
Isobutane	≤ 1,5%	Vol
Total Unsat. C ₄ + C ₅	≤ 500	Vpm
Sulfur	≤ 1	Vpm
H ₂ O	≤ 50	Vpm
O ₂ +H ₂	≤ 50	Vpm
N ₂	≤ 500	Vpm
CO + CO ₂	≤ 50	Vpm
1,3 - Butadiene	< 1	Vpm

TEHNICAL PROPANE		
Chemical – Physical Properties		
Boiling point at 1,013 mbar		-42 °C
Chemical Formula		C ₃ H ₈
Flammability limits in air at 20°C and 1,013 mbar		Lower 2,73 upper 9,5 (% gas in mixture)
Heat of vaporization	at constant pressure	0,075 kJ/(mol*K)
mc of gas developed from 1 kg of liquid		0,523
Molecular weight		44,1 g/mol
Specific gravity at 20°C	of liquid	0,508 kg/l
	of vapor	1,86 kg/m ³
Temperature of autoignition		470°C
Vapor density at 20°C (air=1)		1,5
Vapor pressure	at 20°C	7,6 bar (rel)
	at 50°C	20 bar (rel)
Water solubility at 20°C		0,039 vol/vol