

DATA SHEET



Isopentane C₅H₁₂

Isopentane is separated from a natural gas stream by fractional distillation. It is filled into T11 ISO containers for international transport as well as road trailers and rail cars. ISO Containers are approved by UN, RID/ADR, CSC, AAR-600, DOT, TC, TIR, UIC.

Standard Specifications

Purity / Assay	1.5	2.0
Impurities (Mol ppm)	95.0%	99.5%
IsoPentane	> 95%	> 99.5%
n-Pentane	< 4.0%	< 1.0%
Olefins	< 12ppm	< 1ppm
Sulfur	< 1ppm	< 1ppm
Moisture	< 30ppm	< 10ppm

Standard Cylinder Sizes and Fill Volumes

Container Information		
Type	20' T11 isocontainer	Road Trailer
Contents	13,700 kg	20,000 kg

Technical Information

Technical Data		Shipping Information	
Molecular Weight (g/mol)	72.15	Shipping Name	Pentanes
Liquid Density (kg/m ³)	630	Hazard Class	3
Gas Density (kg/m ³)	3.2	UN No.	UN 1265
Boiling point (°C)	27.9	Hazard Label	Flammable liquid
Specific Volume (m ³ /kg)	0.1	CAS No.	78-78-4
Vapour Pressure (bar.a @ 20°C)	0.59		
Valve Outlet	ACME, MALE. 1 3/4" gas phase / 3 1/4" liquid phase		