

## Propylene



High purity propylene is purified from raw material using a combination of molecular sieve and liquid fractional distillation.

### Standard Specifications

PURITY / ASSAY	2.5	3.0	3.5	3.7	4.0	4.5
<b>IMPURITIES (MOL %)</b>	<b>99.5%</b>	<b>99.9%</b>	<b>99.95%</b>	<b>99.97%</b>	<b>99.99%</b>	<b>99.9995%</b>
<b>Nitrogen</b>	< 50	< 20	< 10	< 10	< 5	< 5
<b>Oxygen</b>	< 5	< 2	< 2	< 2	< 1	< 1
<b>Carbon Dioxide</b>	< 5	< 4	< 2	< 1	< 1	< 1
<b>Other hydrocarbons</b>	< 4800	< 950	< 470	< 290	< 90	< 45
<b>Moisture**</b>	< 5	< 4	< 3	< 3	< 2	< 2
<b>Total Impurities</b>	< 5000	< 1000	< 500	< 300	< 100	< 50

\*\*Moisture Specification only guaranteed if cylinders prepared by AGT International

### Standard Cylinder Sizes and Fill Volumes

#### CYLINDER INFORMATION

CYLINDER SIZE	FILL VOLUME (KG)
ISO Container	Up to 10,600
L454	195.0
L30	47.6
L15	22.7
L05	9.1
L01	2.0

### Technical Information

TECHNICAL DATA		SHIPPING INFORMATION	
<b>Molecular Weight (g/mol)</b>	42.08	<b>Shipping Name</b>	Propene
<b>Liquid Density (kg/m<sup>3</sup>)</b>	613.9	<b>Hazard Class</b>	2.1
<b>Gas Density (kg/m<sup>3</sup>)</b>	1.81	<b>UN No.</b>	UN 1077
<b>Boiling Point (0°C)</b>	-48.8	<b>Hazard Label</b>	Flammable Gas
<b>Specific Volume (m<sup>3</sup>/kg)</b>	0.587	<b>CAS No.</b>	115-07-1
<b>Vapour Pressure (bar.a)</b>	10.3		
<b>Valve Outlet</b>	CGA 510 / BS 4		

**AGT INTERNATIONAL**  
AGT International provides businesses with Shorter lead times, Higher Inventory Levels, Guaranteed Quality and Lower Costs.

#### PRODUCTS

AGT International supplies a comprehensive range of hydrocarbon gases and liquids and associated special gases.

#### CYLINDERS

AGT International has a wide range of cylinders and bulk containers available for either purchase or rent as well as being able to fill customer owned cylinders.

#### CONTACT

Please contact us if the specification you require is not shown above. AGT International is able to custom manufacture different specifications according to your requirements.  
<http://www.agti.biz/>