



# Kai Yen International Trading Corporation

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## Propylene



Propylene is an unsaturated organic compound having the chemical formula  $C_3H_6$ . It has one double bond, and is the second simplest member of the alkene class of hydrocarbons, and it is also second in natural abundance.

**Chemical Name:**Propylene

**Molecular Formula:** $C_3H_6$

**Molecular weight:**42.08

### Typical Properties:

Appearance	Colorless gas
Explosive Limits(V/V)	2.0-11.1%
Boiling Point	-47.6 C
Melting Point	-185.2 C
Specific Gravity, 15 C Gas	0.001178
S. Ignition Point	455 C
Flash Point	-108 C

### Specifications:

Grade	Polymer Grade	Chemical Grade
Acetylene, ml/m <sup>3</sup>	<=1	-
Propylene,%(v/v)	>=99.6	>=95
Water, ml/m <sup>3</sup>	<=1	-
Oxygen, ml/m <sup>3</sup>	<=1	<=1
Carbon monoxide, ml/m <sup>3</sup>	<=1	-
Paraffins,%(v/v)	<=0.04	-
Appearance	Colorless gas	Colorless gas
Carbon dioxide, ml/m <sup>3</sup>	<=5	-
Allylene+allene, ml/m <sup>3</sup>	<=5	10+50
Methanol, mg/kg	<=5	-
Sulphur, mg/kg	<=1	<=5
Hydrogen, ml/m <sup>3</sup>	<=5	-
Butene+Butadiene, ml/m <sup>3</sup>	<=1+1	<=500
Ethylene, ml/m <sup>3</sup>	<=30	<=500

**Applications:** The product is mainly used for the production of polypropylene. It is also a basic raw material for organic synthesis.

**Packing:** In bulk. (Isotank or Drum)

**Transportation:** Pipe transfer, or by means of a special vessel and special tank truck.

**Storage:** Spherical tank.