

# Propylene

## General Description

Propylene (C<sub>3</sub>H<sub>6</sub>), also called propene, is a colorless, flammable, gaseous hydrocarbon, obtained from low molecular weight constituents of petroleum.

## Product Specification

COMPONENT	VALUE*	UNIT
Propylene	99.8	vol % min
Propane	0.09	vol % max
Hydrogen	5	ppm vol max
Ethylene	1	ppm vol max
Butenes	1	ppm vol max
Pentenes	1	ppm vol max
Non-condensables	20	ppm vol max
Ethane	20	ppm vol max
Butane-pentanes	10	ppm vol max
C <sub>6</sub> -C <sub>12</sub> hydrocarbons	1	ppm vol max
Acetylene	1	ppm vol max
Methyl-acetylene	1	ppm vol max
Propadiene	1	ppm vol max
Butadiene	10	ppm vol max
Oxygen	2	ppm vol max
Carbon monoxide	0.03	ppm vol max
Carbon dioxide	2	ppm vol max
COS	0.02	ppm vol max
Total sulphur	1	ppm wt max
Methanol	5	ppm vol max
Isopropanol	5	ppm vol max
Water	2	ppm wt max
Arsine	0.01	ppm vol max
Phosphine	0.01	ppm vol max
Ammonia	1	ppm vol max
Cyclopentadiene	0.05	ppm vol max

\* Typical values; not to be considered as product specification.

Rayomand Petroleum and Energy Commercial Co.

2<sup>nd</sup> Floor, No. 48, 37<sup>th</sup> Avenue - Saadat Abad Blvd. Tehran - Iran

Tel: +98 21 2265 9165

Fax: +98 21 2265 9110

[www.rayomand.com](http://www.rayomand.com)

email: [info@rayomand.com](mailto:info@rayomand.com)

NOTICE: All tests were performed under laboratory conditions and standard testing methods. The data are intended as a general guide only and do not necessarily represent results that might be obtained elsewhere. The use of this product must be guided by the user's own methods for selection of proper formulation. RAYOMAND disclaims any responsibility for misuse or misapplication of this product. RAYOMAND makes no warranty of merchantability and there is no warranty that goods supplied shall be fit for any particular purpose. RAYOMAND liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited. The customer is responsible for determining whether products and information in this document are appropriate for the customer's use.