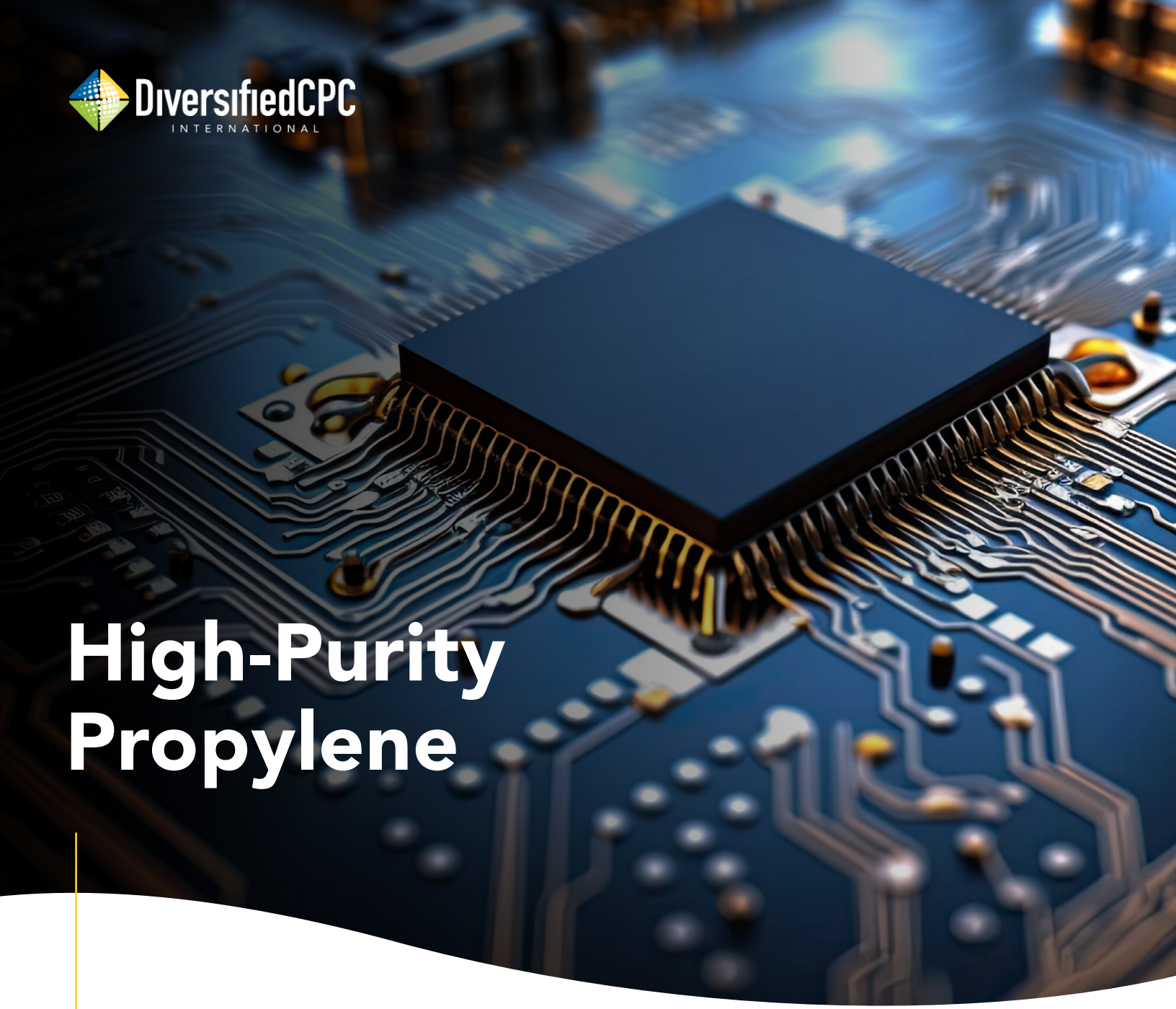
DiversifiedCPC INTERNATIONAL



High-Purity Propylene

High purity for high-precision technology

We produce the purest propylene in the industry – 99.995%. Semiconductor chip manufacturers depend upon our high-purity gas to precisely etch complex circuit patterns on wafers. **In leading-edge semiconductor packages, our product is used as the primary source material for the amorphous carbon layer (ACL).**

Our Propylene offers:

- 99.995% purity
- Ideal for production of the 3nm nodes (current generation of MOSFET and FinFET devices).
- Reduces defect density

Propylene High Purity 99.995%

Property	Specification	Typical Analysis
Composition (wt%) (Liquid Phase)		
Propylene (wt%)	99.995 (min)	99.996
Composition (ppm) (Liquid Phase)		
Propane	45 (max)	30
Methane	0.5 (max)	< 0.5
Ethylene	2 (max)	< 1
Ethane	2 (max)	< 1
Isobutane	2 (max)	< 2
n-Butane	2 (max)	< 2
Nitrogen	2 (max)	< 1
Oxygen	1 (max)	< 1
Carbon Dioxide	1 (max)	< 1
Carbon Monoxide	0.5 (max)	< 0.5
Moisture	1 (max)	< 1
Total Impurities	45 (max)	< 35

The POWER of PURITY®

Established in 1964, Diversified CPC International manufactures and distributes the highest-purity hydrocarbons, specialty gases, and blends to help companies improve product quality and their safety, sustainability, and operational outcomes. We are an ISO (International Organization for Standardization) accredited facility that uses proprietary technology and processes to achieve unmatched purity levels.

2250 South Chicago Street, Suite 216, Joliet, IL 60436 • Phone: 815-424-2000 • info@diversifiedcpc.com
Beaumont, TX • Channahon, IL • Sparta, NJ • Anaheim, CA • Sebring, FL