

# ULTRAPURE™ PROPYLENE CARBONATE

**HUNTSMAN**

Enriching lives through innovation

Huntsman is the only North American producer of alkylene carbonates, including **ULTRAPURE™ Ethylene Carbonate (EC)** and **ULTRAPURE™ Propylene Carbonate (PC)**. Huntsman offers a range of high purity **ULTRAPURE™** aprotic solvents for lithium-ion and sodium batteries, supercapacitors, dynamic glazing, and polymer photoresist removal in microelectronics.

## PRODUCT OVERVIEW

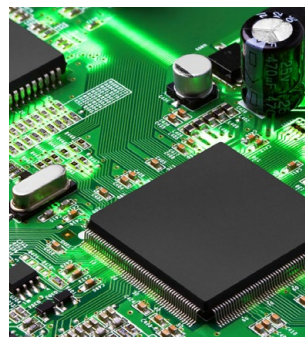
**ULTRAPURE™ Propylene Carbonate** is a clear, mobile, hygroscopic liquid at room temperature. **ULTRAPURE® PC** is offered in three different grades with the highest purity grade, **ULTRAPURE™ EV**, specifically tailored to ensure the best performance in electric vehicle batteries.

## APPLICATIONS

**ULTRAPURE® Propylene Carbonate** is an extremely high purity solvent for solutions requiring very low levels of water, glycol, and other contaminants. Such growing applications include lithium batteries, condensers, photochromic solutions, polymer removal for microelectronics, and other related electrochemical applications.

## TYPICAL PROPERTIES

Viscosity, Kinematic (cSt@43.3°C)	1.6
Flash Point (PMCC, °C)	135
Boiling Point (°C)	242
Melting Point (°C)	-49
pH	7
Specific Gravity (20/20°C)	1.2
Vapor Pressure (mmHg, 20°C)	0.02
Water Solubility (wt%)	<10%, >80%
Dipole Moment	4.98
Dielectric Constant	64.9 (20°C)
Solubility Parameter	
dD	20.0
dP	18.0
dH	4.1



## PRODUCT GRADES

### Grades

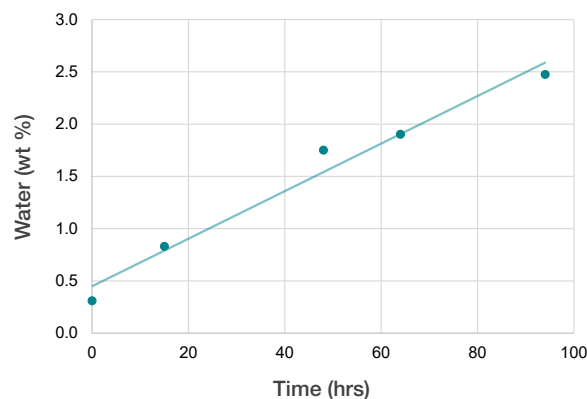
ULTRAPURE™ PC EV	+++
ULTRAPURE™ PC HP	++
ULTRAPURE™ PC BG	+

### KEY

+++ : Best Quality  
++ : High Quality  
+ : Good Quality

## PERFORMANCE DATA

### Hygroscopicity



For more information, contact your local Huntsman representative. [www.huntsman.com](http://www.huntsman.com) / [AdTech@huntsman.com](mailto:AdTech@huntsman.com)

### GLOBAL HEADQUARTERS

Huntsman Corporation  
10003 Woodloch Forest Drive  
The Woodlands,  
Texas, 77380  
USA

### ASIA PACIFIC

Huntsman Performance Products  
No. 455 Wenjing Road  
Minhang Economic &  
Technological Development Zone  
Shanghai 200245, P. R. China

### EUROPE, MIDDLE EAST AND AFRICA

Huntsman Performance Products  
Bürohaus an der Alten Oper  
Neue Mainzer Strasse 75  
60311 Frankfurt  
Germany

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