

Technical Data Sheet

1. Basic Information:

2. Product Index:

Product Name	Propylene Carbonate(PC)		
Molecular Formula	$C_4H_6O_3$	HS CODE	2932999099
Molecular Weight	102.08984	Flash Point	128℃
CAS NO.	108-32-7	Density	1.2047
EINECS NO.	203-572-1	Boiling Point	238.4℃
Melting point	-49.2℃	Refractive Index	1.4218

Test Items	Testing Standard	Index				
		Industrial-Grade	Pharmaceutical-Grade	Electronic-Grade	Cell-Grade	Better-Cell-Grade
Chroma≤	Platinum Cobalt Contrast	30	20	10	5	5
Propylene oxide≤%	Chromatographic Detection	0.0800	0.0300	0.0200	0.0050	0.0002
Propanediol≤%		0.1500	0.0500	0.0300	0.0050	0.0005
Propylene Carbonate≥%		99.5000	99.9000	99.9500	99.9900	99.9990
Water≤ppm	Karl Fischer Titration	500	300	150	50	10
Appearance	Transparent colorless liquid (>35℃), crystalline solid at room temperature					
Density	1.2047					

3. Product Application:

Propylene carbonate(PC) is mainly used for polymer operation, gas separation process and electrochemistry. It can be used to absorb carbon dioxide and hydrogen sulfide in natural gas, petroleum pyrolysis gas and synthetic ammonia, and can also be used as plasticizer, spinning solvent, olefin and aromatic extraction agent, etc. In the electronics industry, it can be used as an excellent medium for high energy batteries and capacitors, and is a high quality raw material for lithium battery electrolyte. · Solvent and

plasticizer for polymers in the polymer industry. The chemical industry is the main raw material for the synthesis of dimethyl carbonate. In addition, it can also be used in textile, printing and dyeing, medicine, coating, cosmetics and other fields.

4. Package:

250KG Galvanized Iron Drum or IBC Tank

5. Storage and transportation methods

This product should be stored in a cool, ventilated, dry place and transported in accordance with general chemical regulations.

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