Propylene Carbonate (PC)

Propylene Carbonate (PC) · RS-PC · CAS 108-32-7 · Technical Data Sheet · RawSource · rawsource.com/product/propylene-carbonate-reagent/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
108-32-7	RS-PC	Cyclic carbonate · solvent

Propylene carbonate is a colorless, transparent liquid cyclic carbonate. It is used in polymer operations, in gas separation processes and in electrochemistry. In petrochemical plants it absorbs carbon dioxide from natural gas and from synthetic ammonia feedstocks. It is also used as a plasticizer, as a spinning solvent and as an extraction agent for olefins and aromatics.

DISTRIBUTED BY
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GENERAL INFORMATION

Chemical name	Propylene carbonate
Molecular formula	$C_4H_6O_3$
Molecular weight	102.09 g/mol

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Appearance	Colorless transparent liquid	Conform
Purity	99.5 % min	99.72 %
Color, Hazen	10 max	10
Moisture	0.05 % max	0.02 %

Each lot is released against this specification. Lot-specific results are reported on the Certificate of Analysis that ships with every delivery.

APPLICATIONS

- Carbon dioxide removal from natural gas and synthetic ammonia feedstocks
- Polymer operations and gas separation processes
- Electrochemistry
- Plasticizer and spinning solvent
- Extraction of olefins and aromatics

Applications are those stated for the product. Confirm suitability for each formulation by trials.

HANDLING REQUIREMENTS

- Refer to the SDS for proper storage and handling.

PACKAGING

- 1200 kg net IBC
- 20 – 25 t ISO tank

The information in this Technical Data Sheet is provided for technical evaluation and is believed to be accurate as of the issue date. Typical values are representative and do not constitute a warranty. Binding specifications are those stated on the lot-specific Certificate of Analysis and in the sales contract. Users should verify suitability for their own process and regulatory requirements. Refer to the Safety Data Sheet before handling. Questions: solutions@rawsource.com.