

[Jump to Website](#)

[Request Quote](#)

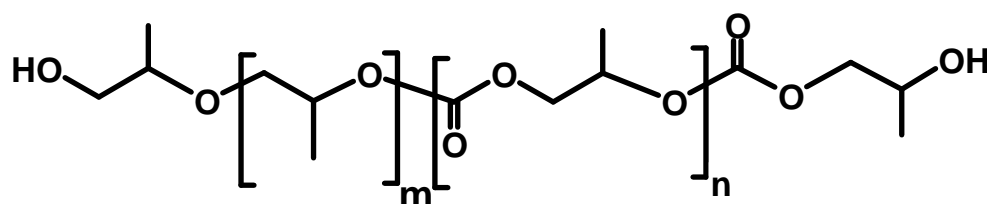
Product Specifications

Poly(propylene carbonate) (MW 2-3 KDa)

CAS 25511-85-7

Syn: Propylene Oxide - Carbon Dioxide Copolymer

Structure:



Mol. Formula
Source

$(\text{CH}_3\text{C}_2\text{H}_3\text{O})_x \cdot (\text{CO}_2)_w$
Synthetic

MW(p)

1.8-2.2 KDa
1.8-2.2 KDa
2.5-3.0 KDa

Test

Specification

| | | | |
|--|----------------------------|----------------------|-------------------|
| Identity | IR | | |
| Appearance | Pale-yellow viscous liquid | | |
| Mol. Wt (by GPC) | 1.8-2.2 KDa | 1.8-2.2 KDa | 2.5-3.0 KDa |
| Viscosity, η | 2,000-2,500 mPa.s | 3,000-3,500 mPa.s | 130,000 mPa.s |
| Hydroxyl Value | 35-45 mg KOH/g | 45-55 mg KOH/g | 40-50 mg KOH/g |
| pH | 6.0-7.0 | | |
| $d_{25}^{\circ\text{C}}$ | 1.14 g/mL | | |
| Moisture | < 0.1% | | |
| RI, $D_{20}^{\circ\text{C}}$ | 1.463 (lit.) | | |

Storage: Maintain in cool, dry containment.

Wilshire Technologies

TEL: +1- 609-683-1117