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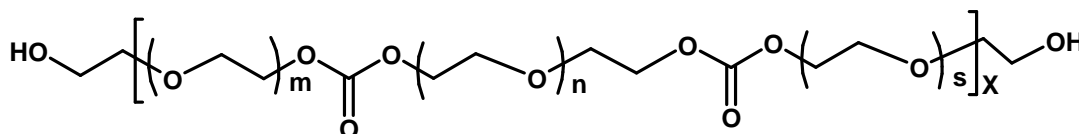
## Product Specifications

### **Poly(ethylene carbonate), $MW_{av}$ : 600-900 KDa**

**CAS** 25608-11-1

**Syn:** Carbon Dioxide - Ethylene Oxide Copolymer

**Structure:**



**Mol. Formula**  
**Source**

$(C_2H_4O)_x \cdot (CO_2)_w$   
Synthetic

**Mol. Wt.**

600-900 KDa

### *Test*

### *Specification*

<b>Identity</b>	IR (authentic sample)
<b>Appearance</b>	Leathery, white to off-white solid
5 % in CH <sub>2</sub> Cl <sub>2</sub>	Clear
<b>APHA</b>	< 20
<b>Tg</b>	25-30 °C
<b>Mol. Wt</b> average (by GPC)	600-900 KDa
<b>Free Ethylene Carbonate</b> (glpc)	< 0.5%
<b>Ash</b> (residue on ignition)	≤ 0.5 %
<b>Heavy metals</b>	≤ 20 ppm
As	≤ 2 ppm
<b>Foreign Particle</b> (5 % in CH <sub>2</sub> Cl <sub>2</sub> )	Free down to ~ 10 μm.
<b>Catalyst carry-over</b>	< 10 ppm
<b>EO carry-over</b>	< 0.1 ppm

**Storage:** Maintain in cool, dry containment.