

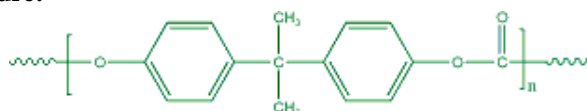
Product Profile

Identification

Product Name: Poly Carbonate (Bisphenol-A carbonate)

Product Lot Number: P44604A-PC

Product Chemical Architecture:



Composition:

$M_n \times 10^3$	M_w/M_n (PDI)	dn/dc (mL/g) in THF at 30 °C
27.0	1.18	0.182

Method of Synthesis

By condensation polymerization

Solubility in different solvents

THF	√	DMF	√
CHCl ₃	√	Isopropapanol	X
DCM	√	Hexane	X

Purification of Polymer

By column chromatography

Validation of Architecture:

A. Gel Permeation Chromatography (GPC), SEC- Profile

Molecular weights were determined by Agilent Technologie 1260 Infinity II GPC/SEC System equipped with Triple detector (RI, Viscometer, RALS 90° and LS 15°) and three columns (PLgel, 7.5x300 mm, 5μm-10μm, 10⁵-10⁶Å). THF (stabilized BHT) with 1%(v/v%) TEA was the eluent. The flow rate was 1.0 ml/min.

