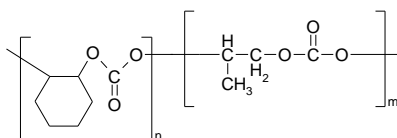


Technical Data Sheet

Product Name QPAC® 100

Technical Name Poly (cyclohexene propylene carbonate)

Chemical Structure



Product Description Poly (cyclohexene propylene carbonate) is a solid polymer. It is an amorphous, clear, readily processible plastic with long term mechanical stability.

Molecular Weight Avail Approximately 150,000-200,000

Applications: Binder applications for ceramics, metal or glass powders.
Decomposable channel former
Pore former

Typical Physical Properties

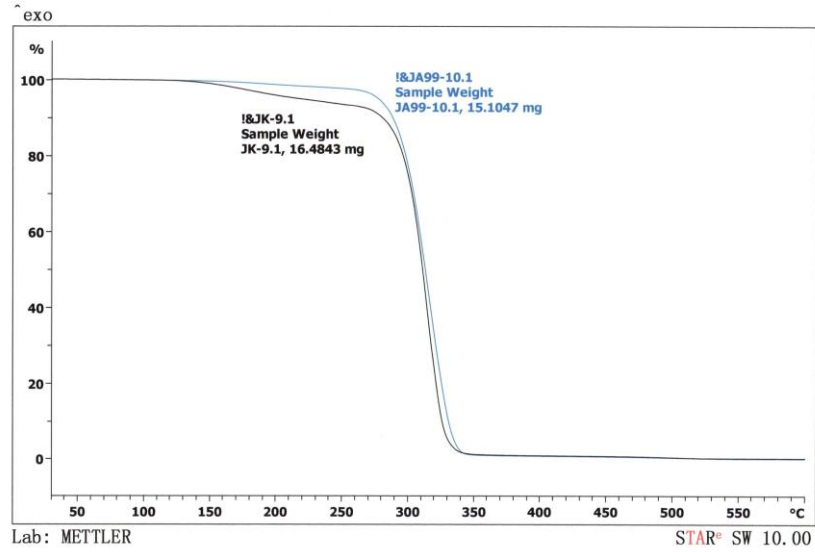
Property	Value
Density (g/cm ³)	1.04
Decomposition Temperature (°C)	250 (onset estimate)
Glass Transition Temperature (°C)	90-100
Solubility	Upon request

Product Delivery Form It is available as a granulate, film, or in solution form.

Benefits Include:

- Upon decomposition, QPAC®100 leaves less than 10 ppm ash residue, resulting in excellent mechanical and/or electrical properties
- Low temperature decomposition is excellent for thermal sensitive materials and is more efficient than other binders
- QPAC®100 has a higher Tg than QPAC®25 and QPAC®40 offering more stability at higher temperatures
- Decomposition can occur in a wide range of atmospheres including air, oxygen, nitrogen, hydrogen, argon and vacuum

TGA FOR QPAC® 100



CAS #

119727-39-8