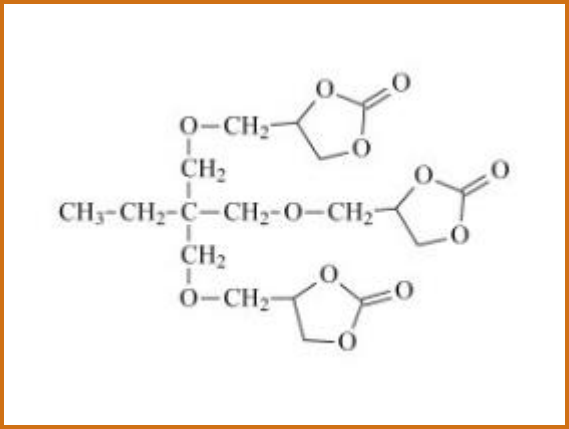
This message contains graphics. If you do not see the graphics, click here to view

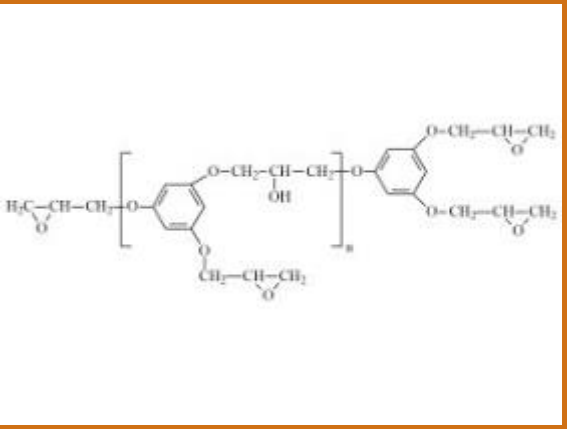
MULTI-FUNCTIONAL (MACRO)MOLECULES ON TOP IN 2017

MULTI-FUNCTIONAL BUILDING-BLOCKS FOR THERMOSETS



SP-3-00-003
TMP Tricarbonate

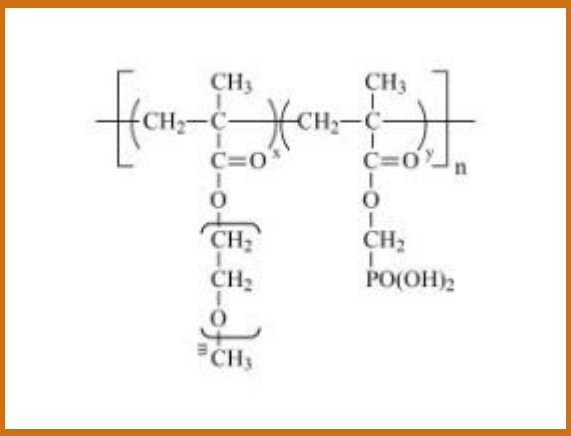
SPECIFIC POLYMERS developed a wide range of building-blocks bearing cyclocarbonates functional groups of interests in the synthesis of poly(hydroxyurethane)s. Such polymer materials, also called **isocyanate-free polyurethanes**, are obtained by reaction of cyclocarbonates with amines and are way less toxic than classical polyurethanes prepared from the reaction between alcohols and isocyanates. **More**



SP-9S-5-003
Phloroglucinol Tris Epoxy

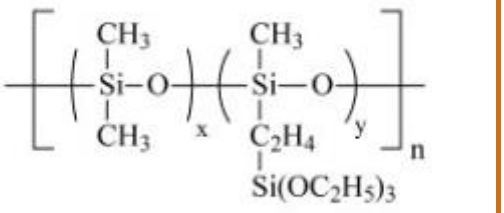
Green chemistry is a fundamental aspect of SP research. Several projects are ongoing to find biobased alternative (macro)molecules to DGEBA in the formulation of epoxy thermosets. SP-9S-5-003 is synthesized from Phloroglucinol that can be extracted from tree bark or algae. With a functionality in between 3 and 4, this building block enhanced epoxy thermosets mechanical properties. **More**

MULTI-FUNCTIONAL POLYMERS



SP-4P-1-011
PEOMA-co-MAPC1 Acid

SPECIFIC POLYMERS is involved in the field of Nanomedicine and develop multifunctional polymers for encapsulating of nanoparticles and conferring them high in-vivo stability, stealthiness and increased biodistribution. Multi- phosphonic acid SP-4P-1-011 was proved to prevent corona effects on encapsulated iron oxide nanoparticles used for magnetic resonance imaging (MRI). More



SP-8P-2-002
PDMS GRAFTED TRIETHOXYSILANE

SPECIFIC POLYMERS sell a variety of polymers bearing alkoxysilane groups that are used as coupling agent to bind inorganic particles or substrates. Such polymers can also be used in the preparation of functional hybrid sol-gel networks. For instance, SP-8P-2-002 was used to develop flexible hydrophobic sol-gel thin layers. More

NEW PUBLICATION – PIEZOMAT FP7 EU PROJECT

Within PiezoMAT project, SPECIFIC POLYMERS Design UV-crosslinked polymeric thin layers for encapsulation of piezoelectri ZnO nanowires for pressure-based fingerprint sensors. Polyme encapsulation layer had to be sufficiently hard to protect the NW from physical damage but soft enough to enable their deformatio and the generation of electric charges. http://www.piezomat.eu

Looking a specific monomer for your application ?
SPECIFIC POLYMERS offer CUSTOM SYNTHESIS programs

- SPECIFIC POLYMERS can produce **from grams to hundred grams** depending on the targeted molecule.

- All products are delivered with a **synthesis report** including experimental details and analyses.
- Report on the project progress by **regular phone meeting**
- **Feasibility evaluation** can be proposed depending of customer wishes (targeted structures, quantities)

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