



## Company Business Units

 FUNCTIONAL MODIFIERS & POWDERS

 POLYMER ALLOYS

 CROSSLINKING SOLUTIONS

 SYNTHESIS

 POROUS

 R&D



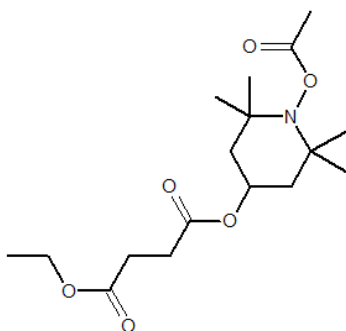
### GRAFTASYNT™ TEMPO

Our GRAFTASYNT™ TEMPO grades are novel nitroxide based free radical polymerization regulators, for tightly controlling polymer and copolymer composition, molecular weight and polydispersity. With our product you can easily synthesise a wide variety of differently structured polymers and copolymers.

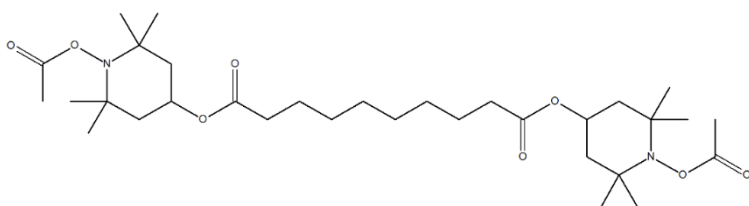
## Products

## Pipeline 2019

## TEMPO 62200



## TEMPO 29200



### Applications:

- Controlled radical polymerization (e.g. polystyrene, polypropylene, Ethylene copolymers...)
- Graft copolymerization of functional monomers onto polymers
- Prevent crosslinking during hyperbranched polymer synthesis
- Extend room temperature potlife for unsaturated polyester curing
- Prevent self-acceleration in curing resin systems

GRAFTASYNT™ TEMPO is a:

- Viscous liquid
- Dark red in appearance
- Stable at room conditions
- Working temperature at > 80°C

Synthesis possibilities:

- Narrow molecular weight and polydispersity
- High conversion in polymerization reactions
- Control reaction speed in curing resin systems
- Extend potlife of curing resin systems
- Synthesize diblock and triblock copolymers
- Comb & graft copolymers
- Star shaped and hyperbranched polymers
- Can be used with all functional groups with double bonds,
- GRAFTASYNT™ TEMPO are **not initiators**, and will not work in absence of an initiator
- Can be used in bulk or solvent based systems (polar and non-polar), emulsion and suspension polymerization, reactive extrusion, and solid state reactions

## CONTACTS

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