



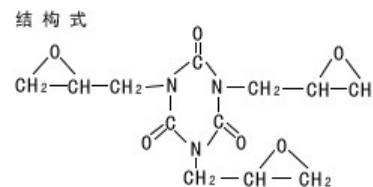
Hardener TGIC (Triglycidyl Isocyanurate) newadd-03010

newadd[®] is a very well-known Additive brand series for powder coating.

Application:

newadd-03010, Mainly used as Curing Agent for pure polyester powder coating, also used to produce electrical insulation materials, laminated sheeting, printed circuits, tools, adhesives, stabilizer for plastic, etc. It has good weather resistance due to its very stable chemical properties. It provides good reactivity because of its free functional epoxide groups when get mixed with polyester resins. No VOC will be emission during curing process.

Commodity:	TGIC
Chemical Name:	TRI(2.3EPOXYPROPYL)-ISOCYANURATE
Molecular Formula:	$C_{12}H_{15}N_3O_6$
Molecular weight:	297
C.A.S. Number:	2451-62-9
EINECS Number:	219-514-3
UN Number:	2811



Specification:

Appearance	White granule
Epoxy equivalent	< 105
Viscosity (at 120 °C)	< 100CP
Epichlorohydrin	< 100ppm
Volatile Matter	< 1.0%
Chlorine	< 0.55%
Melting range	95 ~115 °C

Recommend Formulation:

newpol-0197 (Polyester Resin)	558	gr
newadd-03010 (TGIC)	42	gr
newadd-02023 (Flow agent)	5	gr
TiO2	400	gr
newadd-02032 (Benzoin)	3	gr

Extrusion & Curing conditions:

Temperature	110 °C~115 °C
Thickness of film (um)	60~80
Curing conditions	200 °C/15min

Package and shelf life:

25 Kg net in paper bag with Polyethylene-lined. 1400 Kg/Pallet, 14MT/20' container.

One year in dry and well-ventilated condition bellow 30 °C. After one year, it should be test in Lab.