



TP105 Crosslinker (Equivalent to Primid XLL552)

Description

TP 105 is an alkylamine crosslinker with –OH functionality capable to crosslink carboxyl functional polyester for highly exterior durable powder coatings applications.

Specofication

Chemical name	N,N,N',N'-Tetrakis (2-hydroxyethyl) adipamide
Appearance	White, crystalline solid
Colour Gardner ISO4630	< 1
Melting Point	120 - 127°C
Water Content	< 1%
Hydroxy equivalent weight	82+-2
Mixing ratio	95:5

Reference formulation (PES/TP105 95:5)(parts by weight)

Polyester resin	56,0(94:6)(95:5)
TP105	3,0
Kronos 2310 (TiO ₂)	40,0
Thixatrol ST	0,8
Benzoin	0,2

Gel time: 200°C – 90"

Curing requirement: 200°C 10 minutes

Basic properties of coating film (film thickness 60µm)

Impact (direct.reverse)	50Kg.cm
Pencil hardness	H
Bending (2mm)	Pass
Gloss (60)	>90%
QUVB313 240	≥75%

Application

Mainly used as Curing Agent for polyester powder coating. It imparts good weather stability due to its very stable chemical nature. It provides good reactivity through its free functional hydroxyl groups when it is combined with resins containing carboxyl groups as saturated polyesters. The powder will cure with no emission of VOC.

Packaging

In carton of 25kgs net each with plastic lining.