

DMP 30 AS A CURING AGENT



Introduction

2,4,6-Tris Dimethylamino Methylphenol (DMP-30) is used as a curing agent in epoxy products such as adhesives and as an activator for other curing agents in coating and flooring products. It is a highly efficient catalyst for epoxy resins in casting and laminate applications. Typical loading level as an accelerator is about 0.5 to 8 phr in a standard DGEBA (Bisphenol-A diglycidyl ether) type liquid epoxy resin based formulation.

Applications

- 1 2,4,6-Tris Dimethylamino Methylphenol DMP-30 is mainly used as epoxy resin curing agent.
- 2 DMP-30 can used for casting and seal components as fast cure in ordinary temperature of cure epoxy resin paint in low temperature.
- 3 It can mix with other epoxy curing, playing a promoting role. Its quantity is 1-2% of main curing.
- 4 Catalyst used in the production of polyurethane foams.

Benefits

- 1 Very good accelerator for polyamides, amidoamines, anhydrides and polycarboxylic acids.
- 2 Provides good adhesion to concrete.
- 3 It improves the speed of solidification in epoxy system.
- 4 It improve the bonding strength.



Specifications

Test	Specification	Test Method
Appearance	clear, light yellow to amber colored liquid	-
Amine value (mg KOH/g)	610 - 635	-
Colour (Gardner)	max. 6	-
Viscosity at 25 Deg C (cps)	120 - 250	-
Water (%)	0.5	-
Flash point (Deg C)	150 Deg C	-
Specific gravity at 20 Deg C (g/ml)	approx. 0.97	-

Product FDA Status

It is not registered in food contact applications by US FDA.



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