



MTHPA-C8K

PRECATALYZED METHYL TETRAHYDROPHthalIC ANHYDRIDE

Description

MTHPA-C8K is a precatalyzed unique blend of MTHPA isomers that have been partially hydrogenated. It has been designed to optimize both physical and electrical properties, and has the advantages of low viscosity and near water white color. It already contains a level of accelerator that allows for ease of use.

Major applications of MTHPA-C8K are in structural composites where higher Tg and improved outdoor weatherability are desired. Other major applications are in the formulation of epoxy encapsulation and vacuum impregnation compounds including resin infusion systems. MTHPA-C8K is well suited for applications that are subject to high temperatures, high voltages and high humidity.

Typical Applications

- Structural Composites
- Epoxy Encapsulation
- Vacuum Impregnation / Resin Infusion

Specifications

Appearance	Clear – near colorless
% Free Acid	< 0.2
Viscosity 25°C, cps	40-60
Freezing Pt., °C	< -15
Molecular Wt.	167.5

Typical Formulation

	Parts by Weight
Epoxy Resin (EEW 190)	100
MTHPA-C8K	83

Mix viscosity	650 cps
Viscosity after 24 hours	1200
Pot Life	1 week +
Suggest Cure Cycle	1 hour at 100° C

+ 4 hours at 150° C



Properties

Hardness, Shore D	88
Tensile Strength, psi	11,300
Tg	135 ° C

Dielectric Constant	60 cycles	3.2
25°	106 cycles	3.1

Shipping

Drums 485 lbs net

Pails 45 lbs net

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