



## **PRECATALYZED METHYL TETRAHYDROPHthalic ANHYDRIDE (MTHPA-C8K)**

MTHPA-C8K is a pre-catalyzed 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 will allow 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.

### **PHYSICAL PROPERTIES**

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

### **SUGGESTED STARTING FORMULATION**

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 hour at 150° C
Tg	135° C
Tensile Strength	11,300
Shore D hardness	88
Dielectric Constant	60 cycles 3.2
25°	106 cycles 3.1