

KTMR-06 DETERMINATION OF ALKYD BASE IN THERMOPLASTIC MATERIAL (Kansas Central Lab Test KT-MR-06)

a. SCOPE.

This test method is a laboratory procedure to determine if thermoplastic material is alkyd based.

b. SUMMARY OF THE METHOD.

Alkyd based thermoplastic material is readily soluble in diacetone alcohol. Hydrocarbon material is not.

c. PROCEDURE.

Place a sample of the solid thermoplastic material into a beaker containing diacetone alcohol at room temperature. After 60 minutes, check to see if the material has started dissolving in the diacetone alcohol. The best way to do this is to (while wearing rubber gloves) rub the thermoplastic between your finger and thumb. If the thermoplastic dissolves, it is an alkyd base. If it does not, the material fails.

(MTU - Chemistry)