

# ProductData



## Wax - Kester Kester Wax K-82D (167)



Authorized Distributor:

### Description:

**Kester Wax K82D** is a high molecular weight dimer acid ester that has very strong gelling properties for cyclomethicones and phenylmethicones, besides all other common cosmetic oils.

**Kester Wax K82D** Has application in anhydrous systems

due to its high molecular weight and branched structure.

**Kester Wax K82D** can replace all mineral waxes such as: paraffins, microcrystalline, ceresines, and ozokerite waxes in most anhydrous applications.

Note: Specific product application recommendations are available on request.

### TYPICAL PROPERTIES:

Laboratory Tests	Koster Keunen Specs.	Typical Results
Acid Value:	< 5.0	3.5
Molecular Weight:	1350 g/m	Passes
Melting Point:	78 - 83 °C	82.0 °C
Penetration:	2 - 15, 100g, 5 sec @ 25 °C	5
Ester Value:	50 - 70	64.0
Color:	Off White to Light Tan	Passes

### Applications:

Kester Wax K-82D's strong gelling properties allow a formulator greater opportunity to use various oils and fluids in anhydrous products without the need for numerous gelling agents. Consistency and texture of a product is easily regulated by the concentration of K-82D used in conjunction with the viscosity of the oils and fluids.

### Uses:

Lipsticks, Lip balms, Eye Shadow, Pencils, Sun Tan Gels, Hot Pour Makeup, Hair Care, Antiperspirants and Household Products.

**Concentrations Used:** 2 - 15%

### Regulatory:

**INCI Name:** Di-C-20-40 Alkyl Dimer Dilinoleate

**CAS#:** 188680-92-4

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