

KESTER K-82D

Wax No. 167

Kester Wax K-82D is a high molecular weight dimer acid ester. This ester is designed to gel common cosmetic ingredients including low viscosity oils, cyclomethicone and phenyl silicone fluids. K-82D is an excellent replacement for most petrochemical waxes due to its high molecular weight and branched structure.

CHEMICAL PROPERTIES

ANALYTICAL TEST	METHOD	SPECIFICATION	UNITS
Melting Point	USP 741	78-83	°C
Acid Value	USP 401	<5	mg KOH/g
Ester Value	USP 401	50-70	mg KOH/g
Penetration	ASTM D1321	2-15	dmm

FORMULATION GUIDELINES

Kester Wax K-82D has strong gelling properties. This product allows simplification of the gellants needed in anhydrous systems. Consistency and texture can also be regulated by the concentration of K-82D.

REGULATORY

INCI NAME: Di-C20-40 Alkyl Dimer Dilinoleate

CAS#: 188680-92-4

EINECS#: Not assigned

KOSTER KEUNEN CODE#: 167

TRADE NAME: Kester Wax K-82D

MINIMUM SHELF LIFE: 2 Years

MANUFACTURED: Watertown, Connecticut, USA

- NOT TESTED ON ANIMALS
- KOSHER
- ORGANIC
- GMO FREE
- NPA
- GRAS

CANADA: Unknown at time of print

JAPAN: Unknown at time of print

CHINA: Unknown at time of print

AUSTRALIA: Unknown at time of print

REACH: Polymer Exempt

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