

# ProductData



## Wax - Kester Wax Overview



Koster Keunen, LLC  
Waxes of Superior Quality Since 1852

Authorized Distributor:

### Description:

Kester Waxes are long chain synthetic ester waxes prepared by the esterification of natural fatty acids with synthetic fatty alcohols. The primary advantages of the KESTER WAXES are their excellent oil gelling and oil binding capabilities, and the KESTER

WAXES broad compatibility with lipid cosmetic ingredients. The many different Kester Waxes enable the formulator to choose between waxes of different melt points to satisfy many different applications.

Note: Specific product application recommendations are available on request.

### Chemical Properties:

Product	A.V.	E.V.	M.P.	<M>	<n>	Wax#
K-385	< 5	110 - 130	40 - 50 °C	452	30	352D
K-48	< 2	116 - 120	47 - 49 °C	478	31	120P
K-56	< 2	101 - 105	54 - 56 °C	538	36	128P
K-59	< 2	97 - 102	57 - 59 °C	553	37	129P
K-62-64	< 2	80 - 97	61 - 66 °C	600	40	130P
K-72	< 2	78 - 90	70 - 74 °C	650	44	131P
K-82D	< 5	50 - 70	78 - 85 °C	1350	92	167P
K-82H	< 5	70 - 85	81 - 86 °C	731	50	124P

A.V. = Acid Value   E.V. = Ester Value   M.P. = Melting Point  
<M> = Average Molecular Weight   <n> = Average Carbon Chain Length

### Uses:

Creams, Lotions, Gels, Lipsticks, Antiperspirants and Ointments.

### Function:

Emollient, Thickener, Gellant (mineral wax replacement) and Opacifier.

### Regulatory Information:

Trade & INCI Names:	CAS#S
K-385: Cetyl Myristate .....	2599-01-1
K-48: Cetyl Palmitate .....	540-10-3
K-56: Cetearyl Stearate .....	136097-82-0
K-59: Stearyl Stearate .....	2778-96-3
K-62: Cetearyl Behenate .....	136097-81-9
K-72: Behenyl Behenate .....	17671-27-1
K-82D: Synthetic Wax & Synthetic Beeswax.....	8002-74-2 & 71243-51-1
K-82H: C-20-40 Alkyl Stearate or Synthetic Carnauba.....	136097-96-6

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