

## Branched Kester Wax BK-40



Branched Kester Wax BK-40 is a new high molecular weight branched ester. The properties of this wax are unique. It is hard and brittle, yet has a low melting point. This is the first time these properties have become available in a true wax.

### Applications:

Lipsticks, Lip Balms, Eye Shadows, Pencils, Sun Tan Gels, Hot Pour Make-ups, Hair Care, Antiperspirants, and **Household Products**.

### Advantages:

Branched Kester Wax BK-40 improves skin feel, is an excellent film former, and helps reduce trans-epidermal water loss. This wax has a low melt point and imparts a creamy texture with less grease than triglycerides. These characteristics make it an excellent replacement for more expensive ingredients such as cocoa butter, shea butter, and other triglycerides.

### Regulatory:

INCI Name: C32-36 Isoalkyl Stearate

CAS#: 68201-22-9

Wax#	Wax Name	Melting Point	Acid Value	Saponification Value	Ester Value	Color
358	Kester Wax K-24	23 - 30°C	<2	130 - 150	130 - 150	Off White to Yellow
352	Kester Wax K-385	40 - 50°C	<5	105 - 130	–	White to Light Tan
120, 177	Kester Wax K-48, Cetyl Esters	43 - 53°C	<5	109 - 125	–	White
254	Kester Wax K-56	54 - 57°C	<2	100 - 105	–	White
129	Kester Wax K-59	57 - 61°C	<2	97 - 104	–	White to Off White
484	Kester Wax K-60P	50 - 70°C	<10	90 - 125	–	Light Tan to Brown
130	Kester Wax K-62	60 - 65°C	<5	90 - 97	–	White to Light Yellow
176	Kester Wax K-64	62 - 65°C	<2	85 - 95	–	White to Light Yellow
131	Kester Wax K-72	70 - 74°C	<2	79 - 89	–	White to Light Yellow
167	Kester Wax K-82D	78 - 83°C	<5	–	50 - 70	Off White to Tan
124	Kester Wax K-82H	80 - 85°C	<6	72 - 96	70 - 90	Off White to Light Brown
154	Kester Wax K-82P (Hydroxy Polyester)	70 - 85°C	<10	50 - 90	–	Light Yellow to Light Brown
330	Kester Wax K-EM	79 - 85°C	<20	–	130 - 160	Light Yellow to Yellow
197	Branched Kester Wax BK-40	35 - 44°C	<15	65 - 83	50 - 82	White to Light Tan

Specific waxes that are most appropriate for this category have been highlighted here