

## 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