

MICROCRYSTALLINE

Microcrystalline Waxes are produced during petroleum refinement using specified techniques such as distillation, de-oiling and crystallization. Microcrystalline Waxes are characterized by their fine crystalline structure in contrast to the larger crystalline structure of paraffin wax. They contain long, branched hydrocarbon chains which correlate to a higher molecular weight. Microcrystalline is more flexible, less oily, has higher tensile strength, more adhesion, and higher melt points than paraffin wax. These waxes have excellent gelling properties, and Koster Keunen carries an assortment of different melt points and penetrations to best fit formulators' requirements.

CHEMICAL PROPERTIES

PRODUCT NAME	PRODUCT CODE	MELTING POINT	VISCOSITY	PENETRATION	CONGEAL POINT	COLOR
METHODS		USP 741	ASTM D3236	ASTM D1321	ASTM D938	VISUAL
Microcrystalline 145/155	227	N/A	N/A	20-35 dmm	N/A	Off-White to Light Yellow
Microcrystalline 626 Wax	520	165-175°F	N/A	8-13 dmm	160-170°F	White
Microcrystalline 165/175	161	165-175°F	N/A	60-80 dmm	163-175°F	White
Microcrystalline 170/180	140	170-180°F	N/A	25-35 dmm	N/A	White to Off-White
Microcrystalline 176/186	490	176-186.8°F	9-15 cPs	9-15 dmm	170.6-186.8°F	White to Light Yellow
EU Microcrystalline 180/185	433	170-185°F	11 cPs Minimum	10-16 dmm	170-178°F	Off-White to Light Yellow
Microcrystalline 180/185	146	170-185°F	70-84 SUS	10-16 dmm	170-178°F	White to Off-White
EU Microcrystalline Wax 193/198	191	185-198°F	11 cPs Minimum	5-9 dmm	183-197°F	White to Off-White

FORMULATION GUIDELINES

Microcrystalline waxes are non-toxic, non-irritating and compatible with various chemistries from natural, mineral, and synthetic raw materials.

REGULATORY

INCI NAME: Microcrystalline Wax,
Hydrogenated Microcrystalline Wax

CAS#: 63231-60-7, 64742-60-5

EINECS#: 264-038-1, 265-163-4

KOSTER KEUNEN CODE#: 140, 146, 161, 191, 227,
433, 490, 500

MINIMUM SHELF LIFE: 2 Years

MANUFACTURED: Watertown, Connecticut, USA

NOT TESTED ON ANIMALS

KOSHER

ORGANIC

GMO FREE

NPA

GRAS

CANADA: Listed

JAPAN: Listed/Unknown at time of print*

CHINA: Listed

AUSTRALIA: Listed

REACH: Registered

* Microcrystalline 180/185 and Microcrystalline 145/155

1021 Echo Lake Road, Watertown, CT 06795
T: 860.945.3333 | E: info@kosterkeunen.com
W: kosterkeunen.com

KOSTER  KEUNEN
INNOVATION IS OUR TRADITION