



Microcrystalline Wax



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Microcrystalline Wax

(Micro Wax, MC Wax)

Grades:

Shell LMP, Sonneborn Multiwax W445, IGI Microsere 5715A, Sasolwax 3971

Introduction:

Microcrystalline waxes are a type of wax produced by de-oiling petrolatum, as part of the petroleum refining process. It is characterized by the fineness of its crystals and is a higher molecular weight saturated aliphatic hydrocarbon. The elastic and adhesive characteristics of Microcrystalline Waxes are because of its branched chain components. This wax has affinity for Mineral Oil due to which it is widely used in oil based formulations in the cosmetic / pharmaceutical industry. Micro Waxes improve oil binding properties and stability of the formulation and as a result add structural strength and lustre to the final product.

Application:

Microcrystalline Waxes are ideally suitable for manufacture of:

- Cosmetic creams
- Lotions
- Pharmaceutical ointments
- Petroleum jelly

They are also used in balms, pain rubs, lip-care formulations, gloss and chewing gums.

Typical properties:

Sr. no.	Typical properties	Specification			
		Shell LMP	Sonneborn (Witco) Multiwax W445	IGI Microsere 5715A	Sasolwax 3971
1	Colour	White to off white	White	White	White
2	Melting Range, °C	64 – 67	76 – 82	76 – 81	76 – 79
3	Kinematic Viscosity at 100 °C, cst	12 – 17	14 – 18	14 – 17	12 – 16
4	Penetration at 25 °C (0.1 mm)	25 – 30	25 – 35	25 – 30	25 – 33
5	Oil Content	NMT 1%	NMT 2%	NMT 2%	NMT 2%
6	Pack size in cartons	24.79 kg	27.22 kg	29.5 kg	25 kg

Testing methods as per relevant ASTM standards.

All above grades conform to USFDA requirements as outlined in 21 CFR 172.886

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Petroleum Industries Pvt. Ltd.



Regd. Off.: Unit No. 1, Riddhi Siddhi, Corporate Park, V. N. Purav Marg, (Sion Trombay Road), Chembur, Mumbai - 400 071, MH, India.
Tel.: +91 - 22 - 2529 9990 / 91 / 92 / 93
Fax: +91 - 22 - 2524 1895
Email: info@unicornpetro.co.in, sales@unicornpetro.co.in
Web: www.unicornpetro.co.in

Factory:
10, Vaibhav Industrial Estate, (Sion Trombay Road),
Deonar, Mumbai - 400 088, MH, INDIA
Phone: +91 - 22 - 2557 6611
Email: factory@unicornpetro.co.in