

THE NEXT GENERATION OF OIL ABSORPTION

MICROSORB

Oil absorption is an important powder attribute to produce a balanced natural-looking and healthy complexion. Excess oil (sebum), left unchecked, leads to irritation, blackheads, acne and other skin imperfections. Microsorb is a transcendent oil absorption additive that not only has similar absorption to fumed silica, but also delivers significantly advanced performance in:

MATTING | IMPROVED TEXTURE | SOFT FOCUS | SEBUM/ACNE CONTROL

Whether it's being used in pressed or loose powders to provide a luxurious smooth and silky feel, or for stability in high oil containing emulsions, Microsorb allows formulators to create flawless looking skin.

At a lower cost than industry standard additives, Microsorbs are unique combinations of polymers and inorganics that can be used at lower levels than other commonly used powders known to cause excessive drying of the skin.

Product	Oil Absorption (g/1.00g)
Naturesorb 1000	2.52
Microsorb 944S	2.73
Microsorb 988S	2.92
Fumed Silica	4.20
Spherical Silica	0.60
Nylon 12	0.47
PMMA	0.40

Oil Absorption Values by Modified ASTM D281

Available grades:

Microsorb 944S – Polyethylene/Calcium Silicate/Silica

Microsorb 988S – Synthetic Wax/Calcium Silicate/Silica

Also available in a new all natural form:

✔ **Naturesorb 1000** – Carnauba Wax/Calcium Silicate



See typical properties on reverse side

MICROSORB TYPICAL PROPERTIES

PROPERTIES	TEST METHOD	MICROSORB 944S	MICROSORB 988S	NATURESORB 1000
Composition (INCI Name)	IR	Polyethylene Calcium Silicate Silica	Synthetic Wax** Calcium Silicate Silica	Copernicia Cerifera (Carnauba) Wax Calcium Silicate
CAS No(s).		9002-88-4 1344-95-2 112945-52-5*	8002-74-2 1344-95-2 112945-52-5*	8015-06-9 1344-95-2
EINECS No(s).		200-815-3 215-710-8 262-373-8	232-315-6 215-710-8 262-373-8	232-399-4 215-710-8
Appearance	Visual	White Powder	White Powder	Off-White Powder
Melting Point (°C)	ASTM D 127	108-112	110-114	83-86
Density @25°C (g/cc)	ASTM D 792	1.27	1.31	1.29
Particle Size Analysis (Microtrac) Mean Particle Size (microns)	ASTM D 4464	27.0-33.0	22.0-30.0	27.0-31.0

REGULATORY INFORMATION

TSCA Registered

Heavy Metals: Pb < 20.0 ppm As < 3.0 ppm

Conforms to CONEG Regulations

* CAS No. 112945-52-5 is specific to amorphous silica with no crystalline content.

** Synthetic wax or paraffin are acceptable INCI names for CAS# 8002-74-2



MICRO POWDERS, INC.
High Performance Wax Additives