

High Performance Wax Additives



All products throughout this brochure are linked to our website for complete product details.



MICRO POWDERS, INC.

Micro Powders. Small Particles, Big Ideas.

Micro Powders is proud to offer the most comprehensive portfolio of dry wax powders, wax dispersions, and wax emulsions available in the industry.

At Micro Powders, we develop additives that help formulators solve problems and achieve unique surface effects in inks, paints, coatings and many other industrial applications. Our products focus on:

- Durability (slip, rub, abrasion and scratch resistance)
- Gloss reduction and burnish resistance
- Water repellency
- Texture effects
- Tactile and soft touch effects



Since wax additives are our core business, we are the leaders in creating innovative particle technologies that deliver maximum performance and efficiency. Our novel composite and nanocomposite grades can deliver superior results at use levels of 1% or less.

We also offer many products based on natural and biodegradable materials, giving today's formulators even more options to develop next-generation products.

Our passion is to help our customers. Choosing the best wax additive can be intimidating, but we are always available to provide technical assistance either directly or through one of our certified distribution partners around the globe.

Welcome to the world of small particles and big ideas!

Natural & Naturally Derived Products

NatureFine and NatureMatte Waxes

NatureFine products are finely micronized biodegradable waxes that impart lubricity with rub and abrasion resistance, and are ideal for high natural content coatings. NatureMatte 31 is a highly biodegradable PHBV powder that can improve burnish resistance in satin and matte architectural coatings.

Typical Properties	NatureFine H325	NatureFine R331	NatureMatte 31
Wax Type	Hydrogenated castor oil	Rice bran wax	PHBV
Melting Point °C	82-87	77-82	170-180
Density at 25 °C (g/cc)	0.99	0.96	1.25
Maximum Particle Size (µm)	31.0	31.0	31.0
Mean Particle Size (µm)	8.0-12.0	6.0-10.0	7.5-10.5

MicroKlear Waxes

Formulated with prime #1 yellow refined carnauba wax. MicroKlear grades are ideally suited where excellent slip, gloss and clarity are required. MicroKlear 116 and 295 are combinations of polyethylene and carnauba. MicroKlear 418 is 100% carnauba wax. MicroKlear 418AL is an ultrafine carnauba wax/nanoalumina composite that provides superior scratch resistance with lubricity, gloss and film clarity.

Typical Properties	MicroKlear 116	MicroKlear 295	MicroKlear 418	MicroKlear 418AL
Melting Point °C	107-113	104-110	81-86	81-86
Density at 25 °C (g/cc)	0.98	0.98	1.00	1.04
Maximum Particle Size (µm)	15.56	22.0	22.0	22.0
Mean Particle Size (µm)	4.0-5.25	4.0-6.0	6.0-8.0	6.0-8.0

Micromide Waxes

Finely micronized vegetable derived EBS waxes with 90% natural biocontent. Micromide grades feature extremely fine particle size control with excellent blooming properties. These waxes provide surface slip, scratch and mar resistance as well as some gloss control.

Typical Properties	Micromide 520	Micromide 520XF
Melting Point °C	141-145	141-145
Density at 25 °C (g/cc)	0.97	0.97
Maximum Particle Size (µm)	22.0	15.56
Mean Particle Size (µm)	5.0-8.0	3.0-5.0

Available as a water based dispersion

MP Synthetic Waxes

Straight chain, fully saturated synthetic hydrocarbon waxes produced by the Fischer-Tropsch process. These products provide extra slip, scratch and rub resistance. They are effective and economical in most ink, paint and coating systems.

Typical Properties	MP-22	MP-22VF	MP-22XF	MP-22XXF	MP-22C	MP-28C	MP-28XF
Melting Point °C	102-106	102-106	102-106	102-106	102-106	104-110	104-110
Density at 25 °C (g/cc)	0.93	0.93	0.93	0.93	0.93	0.95	0.95
Maximum Particle Size (µm)	31.0	22.0	22.0	15.56	22.0	22.0	22.0
Mean Particle Size (µm)	7.0-10.0	6.0-8.0	4.5-6.5	3.75-5.75	6.0-8.0	4.5-6.5	4.5-6.5

MPP Polyethylene Waxes

Formulated to provide maximum rub and mar resistance, gloss retention and anti-block properties. Our polyethylene grades are versatile, with excellent recoatability, and allow higher processing temperatures than synthetic waxes. MPP-611AL is an ultrafine HDPE/nanoalumina composite that provides superior scratch resistance with lubricity. MPP-123AL is an LDPE/nanoalumina composite ideal for maximizing scratch resistance and surface durability, and is suitable for non-slip surfaces.

Typical Properties	MPP-230F	MPP-230VF	MPP-611	MPP-611XF	MPP-611AL	MPP-620F	MPP-620VF	MPP-620XF	MPP-620XXF
Melting Point °C	110-118	110-118	109-115	109-115	109-115	114-116	114-116	114-116	114-116
Density at 25 °C (g/cc)	0.94	0.94	0.96	0.96	0.99	0.96	0.96	0.96	0.96
Maximum Particle Size (µm)	31.0	26.0	22.0	22.0	15.56	31.0	22.0	22.0	12.0
Mean Particle Size (µm)	10.0-12.0	7.0-9.0	5.0-8.0	4.0-6.0	4.0-6.0	7.0-9.0	5.0-7.0	4.5-5.5	4.25-4.75

Typical Properties	MPP-635G	MPP-635F	MPP-635VF	MPP-635XF	MPP-1241	MPP-123	MPP-123AL
Melting Point °C	123-125	123-125	123-125	123-125	123-126	110-113	110-113
Density at 25 °C (g/cc)	0.97	0.97	0.97	0.97	0.97	0.93	0.97
Maximum Particle Size (µm)	31.0	31.0	22.0	22.0	110.0	31.0	31.0
Mean Particle Size (µm)	11.0-13.0	8.0-10.0	6.0-8.0	4.0-6.0	20.0-25.0	9.5-12.5	9.5-12.5



Fluo PTFE Waxes

Often used in combination with micronized waxes to achieve higher surface lubricity, anti-blocking properties and lower cost. Our REACH compliant micronized PTFE (polytetrafluoroethylene) products are heat resistant and insoluble. Fluo 400SM contains clusters of sub-micron particles which provide maximum lubricity in high gloss inks and coatings.

Fluo 625F is a coarser grade of micronized high molecular weight PTFE that provides mild texture with superior abrasion and temperature resistance. Fluo 750TX is a special PTFE grade that provides a strong texture effect in powder coatings. MicroTex 121 is a combination of PTFE and polyethylene that provides uniform texturing and abrasion resistance in powder coatings.

Typical Properties	Fluo 300	Fluo 300XF	Fluo 400G	Fluo 400XF	Fluo 400SM
Melting Point °C	>316	>316	>316	>316	>316
Density at 25 °C (g/cc)	2.2	2.2	2.2	2.2	2.2
Maximum Particle Size (µm)	22.0	15.56	31.00	15.56	31.00
Mean Particle Size (µm)	5.0-6.0	2.0-4.0	7.0-10.0	2.0-4.0	5.0-9.0 (<0.2 primary)

Typical Properties	Fluo 625F	Fluo 750TX	MicroTex® 121
Melting Point °C	>316	>325	110 – 118
Density at 25 °C (g/cc)	2.2	2.2	1.02
Maximum Particle Size (µm)	44.0	145.0	N/A
Mean Particle Size (µm)	9.0-13.0	20.0-30.0	<100

 Available as a water based dispersion



Polyfluo® Waxes

Unique composites of polyethylene waxes and REACH compliant PTFE that provide a high degree of surface lubricity, abrasion resistance and film toughness. These proprietary formulations offer a synergistic combination of properties for superior formulation flexibility in inks, paints, and coatings. Polyfluo 900 is an LDPE/PTFE composite fortified with ceramic beads for improved burnish and abrasion resistance. Polyfluo 523AL is an HDPE/PTFE composite reinforced with alumina nanopowder for maximum scratch, mar, and scuff resistance.

Typical Properties	Polyfluo 120	Polyfluo 150	Polyfluo 150XF	Polyfluo 190	Polyfluo 190S	Polyfluo 200	Polyfluo 400
Melting Point °C	107-110	113-116	113-116	121-132	121-132	124-126	108-115
Density at 25 °C (g/cc)	0.98	1.04	1.04	0.98	0.98	1.02	1.21
Maximum Particle Size (µm)	31.0	15.56	11.0	31.0	31.0	31.0	22.0
Mean Particle Size (µm)	6.0-10.0	3.5-5.5	3.0-5.0	9.0-12.0	6.5-8.5	9.0-11.0	5.0-6.0

Typical Properties	Polyfluo 400XF	Polyfluo 523XF	Polyfluo 523AL	Polyfluo 535	Polyfluo 535XF	Polyfluo 540	Polyfluo 540XF	Polyfluo 900
Melting Point °C	108-115	113-117	113-117	108-115	108-115	108-115	108-115	121-132
Density at 25 °C (g/cc)	1.21	1.10	1.09	1.04	1.04	1.05	1.05	1.02
Maximum Particle Size (µm)	11.0	15.56	15.56	22.0	11.0	22.0	11.0	31.0
Mean Particle Size (µm)	3.0-5.0	3.5-5.5	3.5-5.5	5.0-6.0	4.0-5.0	5.0-6.0	3.0-5.0	9.0-12.0

Synfluo Waxes

Special combinations of synthetic wax and REACH compliant PTFE designed to impart high levels of surface lubricity and scratch resistance to printing inks, paints and coatings. Synfluo is especially recommended for use in high gloss lacquers, can and coil coatings, as well as powder coatings. Synfluo 283TX is an ideal texture effect additive for powder coatings.

Typical Properties	Synfluo 168VF	Synfluo 171VF	Synfluo 172VF	Synfluo 172XF	Synfluo 178VF	Synfluo 178XF	Synfluo 180VF	Synfluo 180XF	Synfluo 283TX
Melting Point °C	104-110	104-110	104-110	104-110	104-110	104-110	104-110	104-110	104-110
Density at 25 °C (g/cc)	0.95	0.96	0.97	0.97	0.98	0.98	1.02	1.02	1.01
Maximum Particle Size (µm)	31.11	22.0	22.0	18.5	22.0	15.56	22.0	11.0	31.0
Mean Particle Size (µm)	8.0-10.0	4.0-7.0	4.0-7.0	3.5-6.25	4.0-7.0	3.0-5.0	4.0-7.0	3.0-5.0	8.5-10.5

Polysilk® Waxes

Unique combinations of low molecular weight fatty waxes on a backbone of polyethylene. Polysilk is designed to bloom and provide excellent surface slip without the use of silicone. These additives give excellent tape release and anti-blocking with scuff and mar resistance in solvent and water based systems. Polysilk 14 and Polysilk 600 contain REACH compliant PTFE for added toughness and slip.

Typical Properties	Polysilk 14	Polysilk 600	Polysilk 750
Melting Point °C	96-118	96-109	96-109
Density at 25 °C (g/cc)	1.02	1.02	0.94
Maximum Particle Size (µm)	31.0	22.0	22.0
Mean Particle Size (µm)	7.5-9.5	5.0-7.0	5.0-7.0

GraphShield

Micronized composite of synthetic wax and edge oxidized graphene oxide (EOGO) for improved anticorrosion in powder coatings.

Typical Properties	GraphShield 730
Melting Point °C	108-113
Density at 25 °C (g/cc)	1.24
Maximum Particle Size (µm)	31.0
Mean Particle Size (µm)	8.0-12.0

PolyGlide

A highly engineered HDPE/Ceramic composite for maximum abrasion resistance and lubricity.

Typical Properties	PolyGlide 1226XF
Melting Point °C	109-115
Density at 25 °C (g/cc)	0.99
Maximum Particle Size (µm)	15.56
Mean Particle Size (µm)	3.5-5.5

Available as a water based dispersion

PropylTex® Waxes

Micronized polypropylene designed to produce unique texturizing effects in paints and coatings. The low density and insolubility characteristics of PropylTex will reduce or eliminate settling and provide optimum durability in both water based and solvent systems. Coarse PropylTex grades are ideal for walking surfaces and other nonskid coating applications. Medium and fine particle size grades can be used to reduce gloss in higher film build coatings.

Typical Properties	PropylTex 14	PropylTex 20	PropylTex 30	PropylTex 50	PropylTex 100S	PropylTex 140S	PropylTex 200S	PropylTex 200SF	PropylTex 230S	PropylTex 270S	PropylTex 325S
Melting Point °C	166-168	166-168	166-168	166-168	160-170	160-170	160-170	160-170	160-170	160-170	160-170
Density at 25 °C (g/cc)	0.90	0.90	0.90	0.90	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Maximum Particle Size (µm)**	1410.0 (14 mesh)	840.0 (20 mesh)	594.0 (30 mesh)	300.0 (50 mesh)	149.0 (100 mesh)	105.0 (140 mesh)	74.0 (200 mesh)	74.0 (200 mesh)	63.0 (230 mesh)	53.0 (270 mesh)	44.0 (325 mesh)
Mean Particle Size (µm)	290.0-320.0	270.0-300.0	235.0-255.0	160.0-180.0	80.0-100.0	45.0-55.0	35.0-45.0	25.0-35.0	36.0-40.0	15.0-25.0	10.0-15.0

∴ Narrow Mean Particle Range(s) Available

PropylTex® HD Waxes

High density micronized polypropylene for adding consistent surface texture and structure with excellent in-can stability in water based paints and coatings.

Typical Properties	PropylTex 200HD	PropylTex 230HD	PropylTex 270HD	PropylTex 325HD
Melting Point °C	160-170	160-170	160-170	160-170
Density at 25 °C (g/cc)	1.07	1.07	1.07	1.07
Maximum Particle Size (µm)	75.0 (200 mesh)	63.0 (230 mesh)	53.0 (270 mesh)	44.0 (325 mesh)
Mean Particle Size (µm)	40.0-45.0	36.0-39.0	15.0-18.0	10.0-15.0



AquaTex® and NyloTex Waxes

AquaTex grades are based on high density oxidized polyethylene. They are ideally suited for water based texturizing applications where excellent dispersibility and reduced flotation are desired. NyloTex grades are micronized polyamide (Nylon 66) that exhibit a higher melt point than standard polyolefins, making them ideal for higher temperature texture applications. NyloTex grades offer exceptional wear and durability in performance coatings.

Typical Properties	AquaTex 100	AquaTex 140	AquaTex 200	AquaTex 230	AquaTex 270	AquaTex 325	NyloTex 20	NyloTex 50	NyloTex 140	NyloTex 200
Melting Point °C	135-140	135-140	135-140	135-140	135-140	135-140	257-267	257-267	257-267	257-267
Density at 25 °C (g/cc)	0.99	0.99	0.99	0.99	0.99	0.99	1.14	1.14	1.14	1.14
Maximum Particle Size (µm)**	149.0 (100 mesh)	105.0 (140 mesh)	74.0 (200 mesh)	63.0 (230 mesh)	53.0 (270 mesh)	44.0 (325 mesh)	840.0 (20 mesh)	300.0 (50 mesh)	105.0 (140 mesh)	74.0 (200 mesh)
Mean Particle Size (µm)	80.0-100.0	45.0-55.0	35.0-45.0	36.0-40.0	15.0-25.0	10.0-15.0	270.0-300.0	160.0-180.0	45.0-65.0	30.0-50.0

MicroTouch Products

Based on polyurethane technology, these highly resilient products can be used to modify and enhance the tactile properties of a coatings system from satiny smooth to leathery to rubbery. MicroTouch additives will provide a matte appearance and deliver excellent scratch, burnish, and mar resistance.

Typical Properties	MicroTouch 800F	MicroTouch 800VF	MicroTouch 800XF	MicroTouch 850XF
Density at 25 °C (g/cc)	1.05	1.05	1.05	1.02
Maximum Particle Size (µm)	120.0	60.0	31.0	31.0
Mean Particle Size (D50, µm)	22.0-30.0	11.0-15.0	6.0-9.0	5.0-9.0

Specialty Products

Polyblends offer unique combinations of micronized polyethylene wax and REACH compliant PTFE. Microscrub 50 is a coarse particle size polyethylene exfoliating agent for industrial hand cleaners. Synscrub 50 is a coarse biodegradable synthetic wax scrub alternative.

Typical Properties	Polyblend 100XF	Polyblend 200	Microscrub® 50	Synscrub® 50
Melting Point °C	110-116	123-125	107-109	108-113
Density at 25 °C (g/cc)	0.99	1.00	0.93	0.95
Maximum Particle Size (µm)	22.0	31.0	297.0 (50 mesh)	297.0 (50 mesh)
Mean Particle Size (µm)	5.0-6.0	8.0-10.0	N/A	N/A

Special-Effects Products

MicroBlack, MicroWhite and MicroGranite are pigmented polymers for adding colored effects to paints and coatings.

Typical Properties	MicroGranite 100	MicroBlack 100S	MicroWhite 100S
Melting Point °C	115-120	121-127	121-127
Density at 25 °C (g/cc)	0.99	0.99	0.99
Color/Appearance	Granite	Black	White
Maximum Particle Size (µm)**	149.0 (100 mesh)	149.0 (100 mesh)	149.0 (100 mesh)
Mean Particle Size (µm)	85.0-115.0	95.0-115.0	95.0-115.0

** Typical Values By Screen Analysis

Available as a water based dispersion

Micropro Waxes

Modified polypropylene waxes characterized by higher melt points and toughness. These products exhibit excellent surface slip, mar resistance, anti-blocking and gloss control, while improving metal marking resistance. They are useful for suspending silica additives and provide a non-abrasive smooth surface. Micropro 440W is specifically formulated for easy incorporation in water based systems.

Typical Properties	Micropro 200	Micropro 400	Micropro 440W	Micropro 500	Micropro 600	Micropro 600VF
Melting Point °C	140-143	140-143	150-156	141-143	146-149	146-149
Density at 25 °C (g/cc)	0.95	0.94	0.97	0.95	0.95	0.95
Maximum Particle Size (µm)	31.0	22.0	31.0	22.0	22.0	22.0
Mean Particle Size (µm)	6.0-11.0	4.5-7.5	7.0-10.0	4.5-7.5	6.0-9.0	5.0-8.0

PropylMatte Waxes

These grades provide uniform and efficient gloss reduction with optimum resistance to burnishing. PropylMatte 31, 450, and 500 are produced from 100% polypropylene and provide consistent matting with minimal effect on viscosity. PropylMatte 31HD is a high density version modified for optimal in-can stability in water based systems. PropylMatte 31SA is modified with REACH compliant PTFE for improved slip, lubricity and abrasion resistance.

Typical Properties	PropylMatte 31	PropylMatte 31HD	PropylMatte 31SA	PropylMatte 450	PropylMatte 500
Melting Point °C	160-170	160-170	160-170	142-148	142-148
Density at 25 °C (g/cc)	0.89	1.07	1.02	0.90	0.90
Maximum Particle Size (µm)	31.0	31.0	31.0	31.0	22.0
Mean Particle Size (µm)	8.0-12.0	8.0-12.0	8.0-12.0	8.0-12.0	5.0-8.0

AquaMatte® and MicroMatte Waxes

AquaMatte products are high density oxidized polyolefins designed for ease of dispersability and stability in all water based systems. MicroMatte 1011 UVW and MicroMatte 1213 UVW are specially modified waxes incorporating microencapsulated inorganics to eliminate flotation, for enhanced stability in water based and UV systems. MicroMatte 2000 is a hybrid polypropylene that reduces gloss while maintaining excellent clarity.

Typical Properties	AquaMatte 22	AquaMatte 26HD	AquaMatte 31	MicroMatte 1011 UVW	MicroMatte 1213 UVW	MicroMatte 2000
Melting Point °C	135-140	105-111	135-140	150-156	150-156	146-149
Density at 25 °C (g/cc)	0.99	1.08	0.99	1.07	1.07	0.96
Maximum Particle Size (µm)	22.0	26.0	31.0	22.0	22.0	22.0
Mean Particle Size (µm)	6.0-8.0	6.0-8.5	8.0-12.0	5.0-7.5	5.0-7.5	6.0-9.0

Superslip, Synslip and SuperGlide Waxes

Combinations of polyolefins and amides designed to impart increased lubricity, scratch resistance and anti-blocking without the use of PTFE. They also impart an excellent "feel" or smoothness to a coating. Superslip 6515AL is a polyolefin/amide/nanoalumina composite that maximizes scratch resistance in thin film coatings.

Typical Properties	Superslip 6515	Superslip 6515XF	Superslip 6515AL	Superslip 6530	Synslip 3750	Synslip 3780	SuperGlide 904
Melting Point °C	139-145	139-145	139-145	124-135	135-143	135-143	138-145
Density at 25 °C (g/cc)	0.96	0.96	0.99	0.97	0.94	0.95	0.96
Maximum Particle Size (µm)	22.0	15.56	15.56	22.0	22.0	22.0	22.0
Mean Particle Size (µm)	6.0-8.0	4.0-6.0	3.5-5.5	6.0-7.5	5.0-7.0	5.0-8.0	4.0-6.0

AquaBead® Waxes

Finely micronized wax polymers specifically formulated to produce a water "beading" effect. These unique powder compositions combine the synergistic properties of several waxes to produce immediate, consistent and long-lasting water beading and weather resistance.

Typical Properties	AquaBead 519	AquaBead 916
Softening Point °C	60-63	64-67
Melting Point °C	126-132	128-132
Density at 25 °C (g/cc)	0.94	0.95
Maximum Particle Size (µm)	22.0	22.0
Mean Particle Size (µm)	6.0-8.0	7.0-9.0

Available as a water based dispersion

Aqua Waxes

Specifically modified for easy incorporation and stability in water based inks, paints and coatings. Aquawax 214 and Aquawax 214VF are hard, high melt point micronized synthetic waxes. AquaPoly 215 grades are economical polyethylene waxes. AquaPoly 250 is a hard, high density and high molecular weight polyethylene polymer that imparts excellent scratch, rub and mar resistance, while reducing potential wax defoamer kickout. AquaPolyflu 411 and AquaPolysilk 19 contain REACH compliant PTFE for increased lubricity and scratch resistance. AquaSuperslip 6550 imparts maximum lubricity and block resistance.

Typical Properties	Aquawax 214	Aquawax 214VF	AquaPoly 215	AquaPoly 250	AquaPolyflu 411	AquaPolysilk 19	AquaSuperslip 6550
Melting Point °C	98-102	98-102	105-111	117-123	117-123	102-118	124-135
Density at 25 °C (g/cc)	0.96	0.96	0.94	0.97	1.02	1.02	0.97
Maximum Particle Size (µm)	31.0	22.0	31.0	31.0	22.0	31.0	22.0
Mean Particle Size (µm)	9.0-11.0	5.0-7.5	9.0-11.0	8.0-10.0	6.0-8.0	9.0-11.0	5.0-7.5

Wax Emulsions

Sub-micron aqueous emulsions formulated using a combination of waxes. The AquaBead grades are designed to produce a water beading effect as well as long-lasting water repellency in aqueous paints, stains, and coatings. The AquaKlean grades provide excellent scrubability and burnish resistance in architectural interior and exterior wall paints, coatings, stains, and sealers.

Microspersion 91E is a polypropylene emulsion designed to increase COF in water based floor finishes, inks, and OPV's. Microspersion 504E is a large particle size PE emulsion for aqueous inks and coatings. Microspersion 526E is a high melt point PE emulsion that provides optimum surface protection while maintaining excellent gloss and film clarity. Microspersion 530E is a PE emulsion with broad FDA compliance for food packaging applications.

Typical Properties	AquaBead 270E	AquaBead 325E	AquaBead 425E	AquaBead 525E	AquaKlean 403	AquaKlean 418
Emulsifier Type	Anionic	Anionic	Anionic	Anionic	Anionic	Anionic
Wax Type	Paraffin/polyethylene	Paraffin	Carnauba wax	Paraffin/carnauba wax	Polyethylene/paraffin	Carnauba wax
Melting Point °C	60	54	85	60	120	85
Solids	40.0%	63.0%	25.0%	30.0%	30.0%	35.0%
Viscosity at 25°C (cP)	500-1300	1000-2000	<200	100-800	<200	<50
pH	9.0-11.0	8.0-10.0	10.0-11.0	10.0-11.0	9.0-10.0	4.0-8.0

Typical Properties	Microspersion 91E	Microspersion 504E	Microspersion 526E	Microspersion 530E
Emulsifier Type	Nonionic	Nonionic	Anionic	Anionic
Wax Type	Polypropylene	Polyethylene/paraffin	Polyethylene	Polyethylene
Melting Point °C	160	100	140	125
Solids	40.0%	40.0%	25.0%	35%
Viscosity at 25°C (cP)	20-150	<500	<50	<100
pH	8.5-9.5	7.5-9.5	9.5-10.5	9.0-10.5



Microspersion® Wax Dispersions

Aqueous nonionic dispersions of Micro Powders micronized waxes. Designed for ease of incorporation and optimum performance, the Microspersion grades enable the use of highly efficient micronized waxes in a liquid form. The products listed below include some of our more popular grades. For a complete listing visit our website. Microspersion EZ is an advanced wetting and dispersing agent for water based systems.

Typical Properties	Microspersion 19	Microspersion 22-50	Microspersion 31HD-40	Microspersion 190-50	Microspersion 215-50	Microspersion 250-50	Microspersion 411-50	Microspersion 440W
Dry Wax ID	Aquapolsilk 19	MP-22	PropylMatte 31HD	Polyflu 190	AquaPoly 215	AquaPoly 250	AquaPolyflu 411	Micropro 440W
Wax Solids	25.0%	50.0%	40.0%	50.0%	50.0%	50.0%	50.0%	40.0%
Resin Type/Solids	Acrylic/12.1%	None	None	None	None	None	None	Acrylic/7.8%
pH	7.0-10.0	9.0-10.5	8.0-9.0	9.0-10.5	7.5-9.0	9.0-10.5	9.0-10.5	7.0-10.0
Viscosity at 25°C (cP)	3000-7000	2500-4500	5000-9000	5000-9000	1500-4000	2000-4000	2000-4000	200-1000
Mean Particle Size (µm)	9.0-11.0	7.0-10.0	8.0-12.0	9.0-12.0	9.0-11.0	N/A	N/A	7.0-10.0

Typical Properties	Microspersion 520	Microspersion 523	Microspersion 620-50	Microspersion 900-50	Microspersion 930	Microspersion 400SM-40	Microspersion 400XF-50	Microspersion EZ
Dry Wax ID	Micromide 520	Polyflu 523XF	MPP-620VF	Polyflu 900	PE Hybrid	Fluo 400SM	Fluo 400XF	N/A
Wax Solids	34.0%	40.0%	50.0%	50.0%	35.0%	40.0%	50.0%	N/A
Resin Type/Solids	None	None	None	None	None	None	None	N/A
pH	9.0-11.0	9.5-10.5	7.5-8.5	9.0-10.5	9.0-10.5	6.0-8.0	6.0-8.0	4.0-7.5
Viscosity at 25°C (cP)	50-250	1000-2000	3000-5000	5000-9000	3000-8000	3000-8000	3000-8000	300-1200 cP
Mean Particle Size (µm)	5.0-8.0	3.5-5.5	5.0-7.0	9.0-12.0	N/A	<1.0	2.0-4.0	N/A

