



MICRO POWDERS, INC.
High Performance Wax Additives

Energy Curable Inks & Coatings

UV and other energy curable coatings and inks benefit when formulated with wax additives that impart slip, rub, and scratch resistance, while improving hardness and anti-blocking. Micro Powders' products can enhance these properties with the optimum gloss level, soft feel, and durability that your customer demands.

Recommended Products Typical Properties

(Selector Guide on reverse side)

Product	Melt Point (°C)	Density (g/cc@25°C)	Mean Particle Size (µm)	Max. Particle Size (µm)
Fluo 300XF	>316	2.20	2.0 - 4.0	22.00
Fluo 300SM	>316	2.20	Primary particle size < 0.2 µm	
MicroKlear 116	107 - 113	0.98	4.0 - 5.25	15.56
MicroKlear 418AL	81 - 86	1.04	6.0 - 8.0	22.00
MicroMatte 1213 UVW	150 - 156	1.07	5.0 - 7.5	22.00
Micropro 400	140 - 143	0.94	4.5 - 7.5	22.00
MicroTouch Series	N/A	1.05	Available from 5 µm - 35 µm mean	
MicroTouch 875XF	N/A	1.03	3.0 - 9.0	31.00
MP-22XF	102 - 106	0.93	5.0 - 6.0	22.00
MPP-123	110 - 113	0.93	9.5 - 12.5	31.00
MPP-611AL	109 - 115	0.99	3.5 - 5.5	15.56
MPP-620XF	114 - 116	0.96	4.5 - 5.5	22.00
NatureFine R331	77 - 82	0.97	6.0 - 10.0	31.00
NatureMatte 31	170 - 180	1.25	7.5 - 10.5	31.00
NatureTex Series	>230	1.30	Wide range available (200 mesh - 325 mesh)	
Polyfluo 150	113 - 116	1.04	3.5 - 5.5	15.56
Polyfluo 190	121 - 132	0.98	9.0 - 12.0	31.00
Polyfluo 523AL	113 - 117	1.09	3.5 - 5.5	15.56
Polyfluo 523XF	113 - 117	1.10	3.5 - 5.5	15.56
PolyGlide 1226XF	109 - 115	0.99	3.5 - 5.5	15.56
Polysilk 14	96 - 118	1.02	7.5 - 9.5	31.00
PropylMatte 31HD	160 - 170	1.07	8.0 - 12.0	31.00
PropylTex HD Series	160 - 170	1.07	Wide range available (200 mesh - 325 mesh)	
SuperGlide 904	138 - 145	0.96	4.0 - 6.0	22.00
Superslip 6515	138 - 144	0.96	6.0 - 8.0	22.00
Superslip 6515AL	138 - 144	0.99	3.5 - 5.5	15.56
Synfluo 178XF	104 - 110	0.98	3.0 - 5.0	15.56

Energy Curable Inks & Coatings Selector Guide

● Extremely Effective ◐ Very Effective ○ Effective

Product	Description	Suggested Use Level	Scratch and Mar Resistance	Slip and Lubricity	Block Resistance	Matting and Gloss Control	Gloss Retention	Clarity	Soft Touch/Silky Feel	Lubricity and Smooth Feel	Texture	Increased COF	Tape Release	In-Can Stability	Natural/Naturally Derived
Fluo 300XF	PTFE	0.5 - 2.0%	○	◐	○			◐		○			○		
Fluo300SM	PTFE	0.5 - 1.5%	◐	●	◐		●	●		◐			◐		
MicroKlear 116	Polyethylene/Carnauba wax	0.2 - 0.5%	○	○	○		●	●		◐			○		
MicroKlear 418 AL	Carnauba/Alumina	1.0 - 3.0%	●	●	◐		○	●		◐			○	○	●
MicroMatte 1213 UWW	Densified modified polypropylene	2.5 - 5.0%	○		○	●		○		○				●	
Micropro 400	Modified polypropylene	3.0 - 6.0%	◐	○	○					○					
MicroTouch Series	Aliphatic polyurethane	2.0 - 10.0%	○			●			●	○	○	○			
MicroTouch 875XF	Modified polyurethane	2.0 - 10.0%	◐	◐	○	●			●	◐	○	○			◐
MP-22XF	Fischer-Tropsch wax	0.5 - 2.0%	○	○	○										◐
MPP-123	Low density polyethylene	0.5 - 1.5%	○	○	○	○						◐	○	○	
MPP-611AL	Polyethylene/Alumina	0.5 - 1.5%	●	◐	○		◐			◐					
MPP-620XF	High density polyethylene	0.5 - 2.0%	◐	○	○								○		
NatureFine R331	Rice bran wax	1.0 - 3.0%	●	◐		◐				○					●
NatureMatte 31	Poly(hydroxybutyrate-co-hydroxyvalerate)	2.0 - 5.0%	◐			●						○		◐	●
NatureTex Series	Cellulose Acetate	2.0 - 5.0%	●		○	●					●	◐		◐	●
Polyfluo 150	Polyethylene/PTFE	0.5 - 1.0%	◐	◐	◐					○			○	○	
Polyfluo 190	Polyethylene/PTFE	0.5 - 1.0%	◐	◐	◐					○			○		
Polyfluo 523AL	Polyethylene/PTFE/Alumina	0.5 - 1.0%	●	◐	●		◐			○			○	○	
Polyfluo 523XF	Polyethylene/PTFE	0.5 - 1.0%	◐	◐	●		◐			○			○		
PolyGlide 1226XF	HDPE/Ceramic	0.5 - 3.0%	●	●	◐		●			○				○	
Polysilk 14	Modified polyethylene/PTFE	0.5 - 1.0%	◐	◐	◐				◐	◐			●	○	
PropylMatte 31HD	Densified polypropylene	2.5 - 5.0%	○		◐	●						●		●	
PropylTex HD Series	Densified polypropylene	3.0 - 10.0%	○			◐					●	●		●	
SuperGlide 904	Fischer-Tropsch wax/Ethylene bis(stearamide)	0.5 - 2.0%	○	●	◐					◐			◐		◐
Superslip 6515	Polyethylene/Ethylene bis(stearamide)	1.0 - 2.0%	○	◐	◐					◐			○		
Superslip 6515AL	HDPE/Amide wax/Alumina	0.5 - 1.5%	●	●	◐		●			○					
Synfluo 178XF	Fischer-Tropsch wax/PTFE	0.3 - 1.0%	○	◐	◐		◐	○		◐			○		