



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)
MicroKlear 116	107 - 113	0.98	4.0 - 5.25	15.56
MicroKlear 418	81 - 86	1.00	6.0 - 8.0	22.00
MicroKlear 418AL	81 - 86	1.04	6.0 - 8.0	22.00
MicroMatte 1213UVW	150 - 156	1.07	5.0 - 7.5	22.00
MicroMatte 2000	146 - 149	0.96	6.0 - 9.0	22.00
Micromide 520XF	141 - 146	0.97	3.0 - 5.0	15.56
Micropro 400	140 - 143	0.94	4.5 - 7.5	22.00
MicroTouch Series	-	1.05	Available from 5 µm - 35 µm mean	
MicroTouch 875XF	-	1.03	3.0 - 9.0	31.00
MP-22XF	102 - 106	0.93	5.0 - 6.0	22.00
MP-28AL	104 - 110	0.99	4.5 - 6.5	22.00
MPP-123	110 - 113	0.93	9.5 - 12.5	31.00
MPP-611AL	110 - 116	0.99	3.5 - 5.5	15.56
MPP-620XF	120 - 124	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
NatureMatte C44	-	1.46	10.0 - 15.0	44.00
NatureTex Series	>230	1.30	Wide range available (140 mesh - 325 mesh)	
PolyGlide 1226XF	109 - 115	0.99	3.5 - 5.5	15.56
Polysik 750	96 - 107	0.94	5.0 - 7.0	22.00
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
SuperGlide 1231	141 - 146	1.00	5.0 - 8.0	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

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	Mattng 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
MicroKlear 116	Polyethylene/Carnauba wax	0.2 - 0.5%	○	○	○		●	●		◐			○		
MicroKlear 418	Carnauba	1.0 - 3.0%	◐	●	◐		○	●		◐			○	○	●
MicroKlear 418AL	Carnauba/Aluminum oxide	1.0 - 3.0%	●	●	◐		○	●		◐			○	○	●
MicroMatte 1213 VW	Densified modified polypropylene	1.0 - 3.0%	○		◐	●		◐		○				●	
MicroMatte 2000	Modified polypropylene	1.0 - 3.0%	○		◐	●		◐		○					
Micromide 520XF	Ethylene (bis)stearamide wax	1.0 - 2.0%	○	●	●		●			◐			●		◐
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	Synthetic wax	0.5 - 2.0%	○	○	○					○					
MP-28AL	Synthetic wax/Aluminum oxide	1.0 - 3.0%	●	◐	○									○	
MPP-123	Low density polyethylene	0.5 - 1.5%	○	○	○	○						◐	○	○	
MPP-611AL	Polyethylene/Aluminum oxide	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%	◐			●						○		◐	●
NatureMatte C44	Cellulose	2.0 - 5.0%				●								●	●
NatureTex Series	Cellulose Acetate	2.0 - 5.0%	●		○	●					●	◐		◐	●
PolyGlide 1226XF	HDPE/Ceramic	0.5 - 3.0%	●	●	◐		●			○				○	
Polysilk 750	Amide modified polyethylene	0.5 - 2.0%	◐	●	◐				◐	◐					
PropylMatte 31HD	Densified polypropylene	2.5 - 5.0%	○		◐	●						●		●	
PropylTex HD Series	Densified polypropylene	3.0 - 10.0%	○			◐					●	●		●	
SuperGlide 904	Synthetic wax/Ethylene bis(stearamide)	0.5 - 2.0%	○	●	◐					◐			◐		◐
SuperGlide 1231	Ceramic modified Ethylene bis(stearamide)	0.5 - 3.0%	●	●	◐		◐			●			●		●
Superslip 6515	Polyethylene/Ethylene bis(stearamide)	1.0 - 2.0%	○	◐	◐					◐			○		
Superslip 6515AL	HDPE/EBS/Aluminum oxide	0.5 - 1.5%	●	●	◐		●			○					