



SPECIALTY WAX ADDITIVES AND FINE POWDERS

PTFE REPLACEMENTS



Micro Powders



SMALL PARTICLES BIG IDEAS®

Micro Powders offers the most comprehensive portfolio of PTFE replacement surface modifiers available in the industry.

With multinational approvals and global food contact compliance since 2019, these commercially proven powders and dispersions are designed to provide coating formulators with an arsenal of multi-functional ingredients that meet the industry's highest coating performance standards.

Our best-in-class engineered composite and nanocomposite additives combine natural and synthetic waxes with high performance materials that include aluminum oxide and ceramic, delivering performance equal to or better than conventional PTFE and PTFE combination additives.

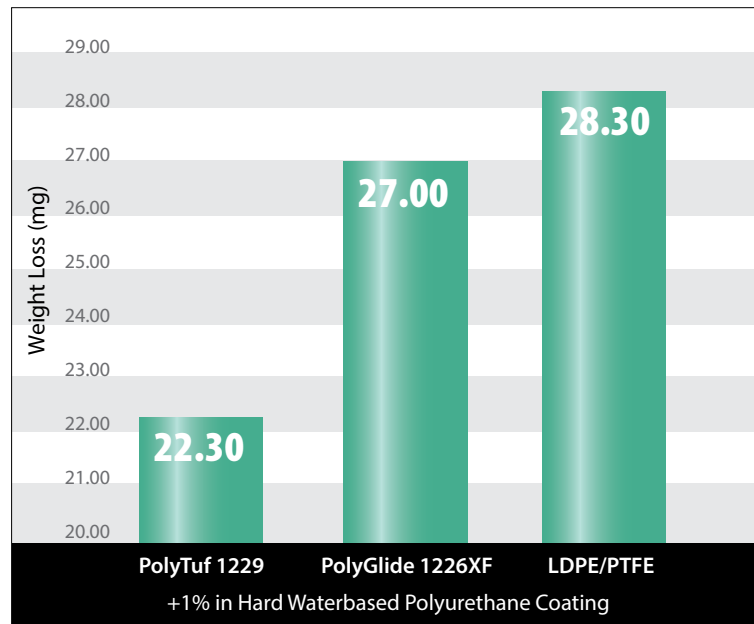


PTFE REPLACEMENT SURFACE MODIFIERS

PRODUCTS	Wax Type	Melting Point °C	Density g/cm ³	Particle Size (µm)		Benefits
				Mean	Maximum	
MicroKlear 116	Carnauba wax/HDPE/	107-113	0.98	4.0-5.25	15.56	Slip, clarity, scratch
MicroKlear 116AL	Available as a waterbased dispersion Carnauba wax/HDPE/ aluminum oxide	107-113	1.01	3.5-5.5	15.56	Slip, scratch
MicroKlear 418AL	Available as a waterbased dispersion Carnauba wax/aluminum oxide	81-86	1.04	6.0-8.0	22.0	Scratch, clarity, natural
NEW MicroTex® 950	Modified polyolefin	135-140	1.22	-	74.0	Fine texture in powder coatings
MP-28AL	Available as a waterbased dispersion Synthetic wax/aluminum oxide	104-110	0.99	6.0-8.0	22.0	Scratch, slip, anti-block
MPP-123AL	Available as a waterbased dispersion LDPE/aluminum oxide	110-113	0.97	9.5-12.5	31.0	Scratch, minimal slip
MPP-611AL	Available as a waterbased dispersion HDPE/aluminum oxide	110-116	0.99	4.0-6.0	15.56	Scratch, slip, gloss
MPP-635VF	Available as a waterbased dispersion HDPE	123-125	0.97	6.0-8.0	22.0	Scratch, abrasion, anti-block
NatureFine R331	Available as a waterbased dispersion Rice bran wax	77-82	0.96	6.0-10.0	31.0	Slip, abrasion
NatureMatte® C44	Cellulose	>260	1.46	10.0-15.0	44.0	Slip, heat resistance
NatureTex® 325	Cellulose acetate	>230	1.30	10.0-15.0	44.0	Slip, heat resistance
PolyGlide 1226XF	Available as a waterbased dispersion HDPE/ceramic	109-115	0.99	3.5-5.5	15.56	Abrasion, slip, gloss
PolyTuf® 1229	Available as a waterbased dispersion LDPE/ceramic	110-113	0.97	9.0-12.0	31.0	Abrasion, burnish
Superslip 6515AL	Available as a waterbased dispersion HDPE/amide/aluminum oxide	139-145	0.99	3.5-5.5	15.56	Scratch, slip, heat release
Superslip 6515AL-EZ	Surface treated HDPE/EBS/ aluminum oxide	139-145	0.99	3.5-5.5	15.56	Scratch, slip, heat release, easy to disperse
Superslip 6530	HDPE/EBS	124-135	0.97	6.0-7.5	22.0	Scratch, abrasion, slip
NEW SuperGlide 1231	Available as a waterbased dispersion EBS/ceramic	141-146	1.00	5.0-8.0	22.0	Abrasion, slip, anti-block

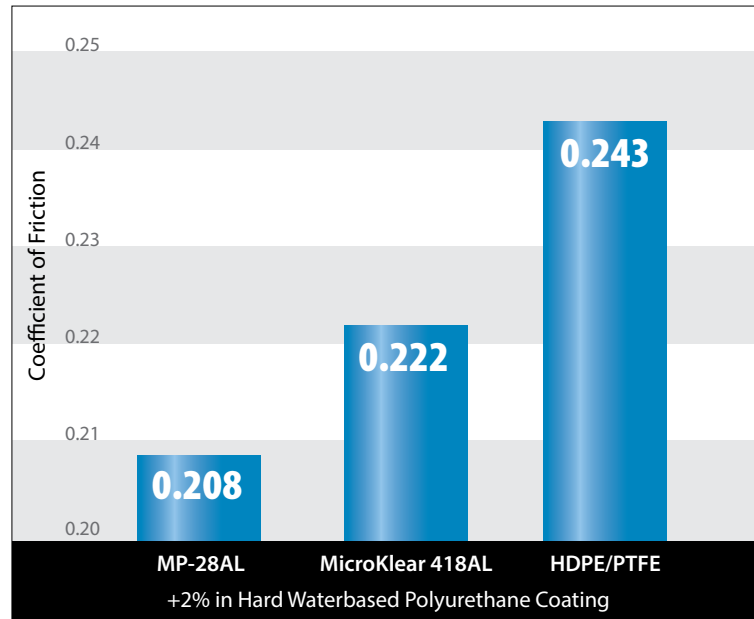
ASTM D4060

Abrasion Resistance
after 2500 cycles



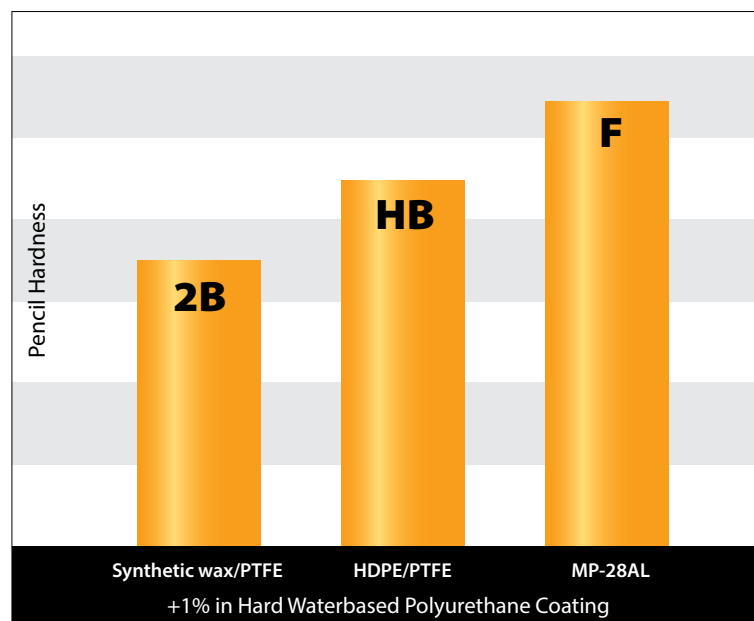
ASTM D1894

Coefficient of Friction



ASTM D3363

Pencil Hardness
(Scratch)



PTFE REPLACEMENTS SELECTOR GUIDE

Products	Description	Suggested Use Level	Scratch Resistance	Abrasion Resistance	Heat Resistance	Rub Resistance	COF Reduction	Gloss Retention	Biodegradable
MicroKlear 116	Carnauba wax/ HDPE	1.0-3.0%	●	●		●	●	●	
MicroKlear 116AL	● Carnauba wax/ HDPE/ aluminum oxide	0.5-1.5%	●	●		●	●	●	
MicroKlear 418AL 	● Carnauba wax/ aluminum oxide	0.5-1.5%	●	●		●	●	●	✓
MP-28AL	● Synthetic wax/ aluminum oxide	0.5-1.5%	●	●		●	●	●	✓
MPP-123AL	● LDPE/ aluminum oxide	0.5-1.5%	●	●		●	○	○	
MPP-611AL	● HDPE/ aluminum oxide	0.5-1.5%	●	●		●	●	●	
MPP-635VF	● HDPE	1.0-3.0%	●	●		●	●	●	
NatureFine R331 	● Rice bran wax	1.0-3.0%	○	●		●	●	○	✓
NatureMatte® C44 	Cellulose	2.0-5.0%	●	○	●	●	●	○	✓
NatureTex® 325 	Cellulose acetate	2.0-5.0%	●	○	●	●	●	○	✓
PolyGlide 1226XF	● HDPE/ceramic	0.5-1.5%	●	●		●	●	●	
PolyTuf® 1229	● LDPE/ceramic	0.5-1.5%	●	●		●	●	○	
Superslip 6515AL	● HDPE/amide/ aluminum oxide	0.5-1.5%	●	●	●	●	●	●	
Superslip 6515AL-EZ	Surf. treated HDPE/ amide/aluminum oxide	0.5-1.5%	●	●	●	●	●	●	
Superslip 6530	HDPE/EBS	1.0-3.0%	●	●	●	●	●	●	
NEW SuperGlide 1231 	EBS/ceramic	0.5-1.5%	●	●	●	●	●	●	

 Extremely Effective
  Very Effective
  Effective
  Natural or naturally derived
  Available as a waterbased dispersion

NEW For Powder Coating Texture

MicroTex® 950 Modified polyolefin | 4.0-6.0% suggested use level | fine texturing with low gloss

Choosing the best PTFE replacement additive doesn't have to be intimidating. We are always available to provide technical assistance either directly or through one of our certified distribution partners around the globe.



Micro Powders

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