

Honeywell ACumist® Micronized Polyolefin Waxes

Typical Properties

Product	Microns Average (mv)	Microns Maximum (<99.9%)	Mettler Drop Point (ASTM D-3954)	Density, g/cc (ASTM MD-1505)	Hardness, dmm (ASTM D-5)	Acid Number, mg KOH/g (ASTM D-1386)	Performance Advantages
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High Density Oxidized Polyethylene Homopolymers

ACumist A-6	6.0-7.5	22	137 °C 279 °F	0.99	<0.5	26-40	• Surface functionality for water wettability and to promote adhesion to topcoats • Outstanding slip, abrasion resistance and toughness • Controlled maximum particle size for a consistent grind • For solvent, water and UV based systems • Excellent matting without burnishing
ACumist A-12	10.0-13.0	44					
ACumist A-18	16.0-19.0	65					
ACumist A-1812 ¹	8.3-9.3	26	139 °C 282 °F	0.99	<0.5	16-19	• Special FDA 175.300 compliant oxidized HDPE wax • All comments above for "A" series also apply

Polyethylene Homopolymers

ACumist B-6	6.0-7.5	22	126 °C 259 °F	0.96	<1.0	Nil	• Insoluble in solvent and UV based systems at RT • Excellent abrasion resistance with good slip • FDA 175.300 and other compliances • Controlled maximum particle size for a consistent grind • Minimal gloss reduction
ACumist B-9	8-10	44					
ACumist B-12	10.0-11.5	44					
ACumist B-18	14.0-17.0	62					
ACumist C-5	4.5-5.5	16	121 °C 250 °F	0.95	<1.0	Nil	• Insoluble in solvent and UV based systems at RT • Excellent slip with good abrasion resistance • FDA 175.300 and other compliances • Controlled maximum particle size for a consistent grind • Good gloss retention for the smaller size grades
ACumist C-12	10.0-13.0	44					
ACumist C-18	14.0-17.0	62					
ACumist D-9	8.0-10.0	31	118 °C 244 °F	0.94	<2.0	Nil	• A good balance of properties and economy
ACumist D-12	10.0-13.0	44					

Polypropylene Homopolymer

ACumist P-5 ¹	5.0-6.0	16	145 °C 293 °F	0.91	<0.5	Nil	• High coefficient of friction for "non-skid" performance • Excellent abrasion resistance • Good matting performance • Controlled maximum particle size for a consistent grind
ACumist P-10 ¹	8.0-10.0	31					

PPTFE Modified Polyethylene

ACumist 3105B ¹	6.0-7.5	22	126 °C 259 °F	0.98	<0.5	Nil	• Enhanced slip and abrasion performance
ACumist 3405 ¹	4.5-5.5	16	121 °C 250 °F	1.10			• Lowest particle size for thin film, high performance applications

¹ Minimum order quantities and extended order lead times may apply.

For additional information or
to contact us, please visit:
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