

Honeywell A-C® Performance Additives for Paints Coatings and Inks

Typical Properties

	Mettler Drop Point (ASTM D-3954)	Hardness, dmm (ASTM D-5)	Density, g/cc (ASTM D-1505)	Viscosity cps, @140°C (Brookfield)	Acid Number, mg KOH/g (ASTM D-1386)	Physical Form
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Polyethylene Homopolymers

A-C 820A ⁽¹⁾	126°C 259°F	1.0	0.97	80	Nil	Powder
A-C 1810A ⁽¹⁾	121°C 250°F	2.0	0.95	20	Nil	Powder
A-C 9, 9A, 9F	115°C 239°F	0.5	0.93	450	Nil	Prill, Powder, Fine Powder
A-C 8, 8A	113°C 235°F	1.0	0.93	450	Nil	Prill, Powder
A-C 3A	112°C 234°F	2.0	0.92	450	Nil	Powder
A-C 7, 7A	109°C 228°F	2.5	0.92	450	Nil	Prill, Powder
A-C 6, 6A	106°C 223°F	4.0	0.92	375	Nil	Prill, Powder
A-C 16 ⁽⁸⁾ , 16A	102°C 216°F	5.5	0.91	525	Nil	Prill, Powder
A-C 617, 617A	101°C 214°F	7.0	0.91	180	Nil	Prill, Powder
A-C 1702 ⁽²⁾	90°C 194°F	98 ⁽³⁾	0.88	30	Nil	Grease-like

Oxidized Polyethylene Homopolymers

A-C 673P	110°C 230°F	<1.0	0.95	400	17	Pastille
A-C 680	108°C 226°F	1.5	0.93	250	16	Prill
A-C 655	107°C 225°F	2.5	0.93	210	16	Prill
A-C 629, 629A	101°C 214°F	5.5	0.93	200	15	Prill, Powder
A-C 656	98°C 208°F	9.0	0.92	185	15	Prill
A-C 6702 ⁽⁵⁾	88°C 190°F	90 ⁽³⁾	0.85	35	15	Grease-like

High-Density Oxidized Polyethylene Homopolymers

A-C 307, 307A	140°C 284°F	<0.5	0.98	85,000 @150°C	7	Granule, Powder
A-C 316, 316A	140°C 284°F	<0.5	0.98	8,500 @150°C	16	Granule, Powder
A-C 325	136°C 277°F	<0.5	0.99	4,500 @150°C	25	Granule
A-C 392	138°C 280°F	<0.5	0.99	4,500 @150°C	30	Granule
A-C 330	137°C 279°F	<0.5	0.99	3,600 @150°C	30	Granule
A-C 395, 395A	137°C 279°F	<0.5	1.00	2,500 @150°C	41	Granule, Powder

Polypropylene Homopolymers

	Softening Point					
A-C 1754	167°C 333°F	<0.5	0.89	775 @190°C	Nil	Powder
A-C 1660	150°C 302°F	<0.5	0.89	60 @190°C	Nil	Powder
A-C 1089	146°C 295°F	<0.5	0.91	45 @190°C	Nil	Powder

Ethylene-Acrylic Acid Copolymers

A-C 540, 540A	105°C 221°F	2.0	0.93	575	40	Prill, Powder
A-C 580	95°C 203°F	4.0	0.93	650	75	Prill
A-C 5120 ⁽⁶⁾	92°C 198°F	8.0	0.93	600	120	Prill

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Ethylene-Vinyl Acetate Copolymers

A-C 405T	102°C 216°F	4.0	0.92	600	6% Vinyl Acetate	Prill
A-C 405M	100°C 212°F	5.0	0.92	600	8.5% Vinyl Acetate	Prill
A-C 405S	94°C 201°F	7.0	0.92	600	10.5% Vinyl Acetate	Prill
A-C 400, 400A	92°C 198°F	9.5	0.92	595	13% Vinyl Acetate	Prill, Powder
A-C 415	89°C 192°F	12.5	0.92	1,300	15% Vinyl Acetate	Prill
A-C 430 ⁽⁸⁾	75°C 167°F	70 ⁽⁷⁾	0.93	600	26% Vinyl Acetate	Tacky solid

Oxidized Ethylene-Vinyl Acetate Copolymers

A-C 645 P	99°C 210°F	5.0	0.94	375	13 (SAP=56)	Pastille
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	Melt. Point (DSC)	Cation Type	Viscosity cps, @190°C (Brookfield)	Acid Number, mg KOH/g (ASTM D-1386)	Physical Form
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AClyn® Low Molecular Weight Ionomers

AClyn 201 ⁽⁸⁾ , 201A ⁽⁸⁾	102°C 215°F	Ca	5,500	42	Granular, Powder
AClyn 295, 295A ⁽⁸⁾	99°C 210°F	Zn	4,500	Nil	Granular, Powder
AClyn 246 ⁽⁸⁾ , 246A ⁽⁸⁾	95°C 203°F	Mg	7,000	Nil	Granular, Powder
AClyn 285 ⁽⁸⁾ , 285A ⁽⁸⁾	82°C 180°F	Na	80,000	20	Granular, Powder

	Mettler Drop Point (ASTM D-3954)	Hardness, dmm (ASTM D-5)	Density, g/cc (ASTM D-1505)	Viscosity cps, @140°C (Brookfield)	Saponification# mg KOH/g	% MAH Bound	Bound SAP# mg KOH/g	Physical Form
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Ethylene Maleic Anhydride Copolymers

A-C 573A, 573P	106°C 223°F	4.5	0.92	600	5	95+%	5	Powder, Pastille
A-C 575A, 575P	106°C 223°F	4.5	0.92	4,200	35	95+%	33	Powder, Pastille

Propylene Maleic Anhydride Copolymers

	Softening Point							
A-C 597P	141°C 286°F	<0.5	0.94	350 @190°C	87	72%	63	Powder, Pastille
A-C 907P	152°C 306°F	<0.5	0.93	350 @190°C	87	70%	60	Pastille
A-C 596A, 596P	141°C 286°F	<0.5	0.93	150 @190°C	50	85%	43	Powder, Pastille
A-C 950P	149°C 300°F	<0.5	0.93	2,000 @190°C	50	65%	33	Pastille
A-C 1325P	149°C 300°F	<0.5	0.93	1,600 @190°C	18	78%	14	Pastille

Notes:

- (1) Product only available as a powder
- (2) Product only available in fiber drums or slabs
- (3) Product has a grease-like consistency, hardness ASTM D-1321
- (4) Product only available in steel drums
- (5) Product only available in fiber or steel drums
- (6) Product only available in fiber drums
- (7) Product is a tacky solid, hardness ASTM D-1321
- (8) Minimum order quantities and extended order lead times may apply.

For additional information or to contact us, please visit:
honeywell-additives.com

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