

# Honeywell A-C® Performance Additives

## 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
<b>Polyethylene Homopolymers</b>							
A-C 820A <sup>(1)</sup>	126°C	259°F	1.0	0.97	80	Nil	Powder
A-C 810A <sup>(1)</sup>	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 725	110°C	230°F	3.5	0.92	1,400	Nil	Diced
A-C 735	110°C	230°F	2.5	0.92	6,000	Nil	Diced
A-C 715	109°C	228°F	2.5	0.92	4,000	Nil	Diced
A-C 15 <sup>(6)</sup>	109°C	228°F	2.5	0.93	125	Nil	Prill
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 <sup>(6)</sup> , 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 <sup>(2)</sup>	90°C	194°F	98 <sup>(3)</sup>	0.88	30	Nil	Grease-like
<b>Oxidized Polyethylene Homopolymers</b>							
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 <sup>(5)</sup>	88°C	190°F	90 <sup>(3)</sup>	0.85	35	15	Grease-like
<b>High-Density Oxidized Polyethylene Homopolymers</b>							
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
<b>Polypropylene Homopolymers</b>							
	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
<b>Ethylene-Acrylic Acid Copolymers</b>							
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 <sup>(6)</sup>	92°C	198°F	8.0	0.93	600	120	Prill
A-C 5180 <sup>(6)</sup>	76°C	169°F	50 <sup>(7)</sup>	0.93	625	200	Tacky solid

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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 <sup>(6)</sup>	75°C 167°F	70 <sup>(7)</sup>	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 <sup>(6)</sup> , 201A <sup>(6)</sup>	102°C 215°F	Ca	5,500	42	Granular, Powder
AClyn 295, 295A <sup>(6)</sup>	99°C 210°F	Zn	4,500	Nil	Granular, Powder
AClyn 246 <sup>(6)</sup> , 246A <sup>(6)</sup>	95°C 203°F	Mg	7,000	Nil	Granular, Powder
AClyn 285 <sup>(6)</sup> , 285A <sup>(6)</sup>	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 575A, 575P	106°C 223°F	4.5	0.92	4,200	35	95+%	33	Powder, Pastille
A-C 573A, 573P	106°C 223°F	4.5	0.92	600	5	95+%	5	Powder, Pastille

### Propylene Maleic Anhydride Copolymers

	Softening Point								
A-C 597A, 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	0.92	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.

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