

A-C[®] WAXES FOR PVC PROFILE EXTRUSION

TECHNICAL DATA SHEET

In profile extrusion, A-C[®] polyethylene waxes can provide increased output rates, reduced calibration plate-out, controlled fusion maintaining physical properties and enhanced surface quality.



PROPERTIES

PRODUCT	A-C 6A	A-C 617A	A-C 629A	A-C 680A	A-C 316A	A-C 400A
Type of polyethylene wax	Low density homopolymers		Oxidized low density homopolymers		Oxidized high density homopolymers	Ethylene vinyl acetate copolymer
Drop point (°C)	106	102	101	108	140	92
Viscosity (cps 140°)	375	180	200	250	8500 (150 °C)	595
Acid number (mg KOH/g)	0	0	15	16	16	13% vinyl acetate
Density (g/cm ³)	0.92	0.91	0.93	0.93	0.98	0.92
Dosage (phr)	0.1-0.4		0.1-0.4		0.05-0.2	0.1-0.4

BENEFITS

PRODUCT	PERFORMANCE IN PVC PIPE EXTRUSION
A-C 6A A-C 617A	Excellent external lubrication providing enhanced gloss and surface quality; delay fusion
A-C 629A A-C 680A	Best combination of external lubrication and fusion control, providing metal release
A-C 316A	Superior additives for metal release; highly efficient fusion promoter enabling controlled pressure build up in the extruder; excellent distribution of additives resulting in increased melt homogeneity; reduced gloss
A-C 400A	Excellent external lubrication providing enhanced gloss and surface quality; relatively neutral to fusion. Reduce chattering in calibration unit and reduce melt pressure



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Solstice Advanced Materials Inc.
 115 Tabor Rd. | Morris Plains, NJ 07950



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