

A-C[®] ADDITIVES FOR PVC PIPE EXTRUSION

TECHNICAL DATA SHEET

In pipe extrusion, A-C[®] polyethylene waxes can provide increased output rates, reduced plate-out and an increased filler level, maintaining physical properties and enhanced surface quality.



PROPERTIES

PRODUCT	A-C 6A	A-C 16A	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	102	104	108	140	92
Viscosity (cps 140°)	375	525	180	200	250	8500 (150 °C)	595
Acid number (mg KOH/g)	0	0	0	16	16	16	13% vinyl acetate
Density (g/cm ³)	0.92	0.91	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 16A A-C 617A	Excellent external lubrication leading to high output rates and enhanced gloss and surface quality; delay fusion
A-C 629A A-C 680A	Optimal combination of external lubrication, metal release, and gloss. Slightly improve fusion
A-C 316A	Superior additives for metal release. Very effective fusion acceleration enables controlled pressure build-up in the extruder; excellent distribution of filler in the melt; increased melt homogeneity; reduced gloss
A-C 400A	Reduce melt pressure, improve filler dispersion



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