

A-C[®] ADDITIVES FOR PVC INJECTION MOLDING



TECHNICAL DATA SHEET

In PVC injection molding, polyethylene waxes can provide controlled melt viscosity and optimized melt flow; improved color stability; superior gloss and surface aspect; improved mold and runner release performance; and improved weld line strength.

PROPERTIES

PRODUCT	A-C 6A	A-C 617A	A-C 629A	A-C 680A	A-C 316A
Type of polyethylene wax	Low density homopolymers		Oxidized low density homopolymers		Oxidized high density homopolymers
Drop point (°C)	106	102	104	108	140
Viscosity (cps 140°)	375	180	200	250	8500 (150 °C)
Acid number (mg KOH/g)	0	0	16	16	16
Density (g/cm ³)	0.92	0.91	0.93	0.93	0.98
Dosage (phr)	0.1-0.6		0.1-0.6		0.5-0.2

BENEFITS

PRODUCT	BENEFITS
A-C 6A A-C 617A	<ul style="list-style-type: none"> • Increased plasticizing time • Reduced torque • Enhanced physical and aesthetic properties of the finished article
A-C 629A A-C 680A	<ul style="list-style-type: none"> • Good mold filling properties in combination with excellent surface properties
A-C 316A	<ul style="list-style-type: none"> • Accelerates PVC fusion • Increases melt homogeneity (Typically applied in combination with external lubricants like A-C 6A or A-C 617A)



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