

# A-C<sup>®</sup> WAXES FOR PVC PROFILE EXTRUSION

In profile extrusion, A-C<sup>®</sup> 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°C)        | 375                      | 180      | 200                               | 250      | 8500 (150 °C)                      | 595                              |
| Acid number (mg KOH/g)       | 0                        | 0        | 15                                | 16       | 16                                 | 13% vinyl acetate                |
| Density (g/cm <sup>3</sup> ) | 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<br>A-C 617A   | Excellent external lubrication providing enhanced gloss and surface quality; delay fusion  |
| A-C 629A<br>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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### For more information:

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<https://industrial.honeywell.com/us/en/applications/specialty-additives>

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