



Benefit Guide

Innovative and customized additives
for a range of applications

Performance Additives Benefits Guide

Product Features

Honeywell offers one of the most extensive lines of low molecular weight polyolefins in the world. Our products can help you get more performance, cost savings and manufacturing efficiency out of your formulations. And, with our extensive experience, scale and know-how, we manufacture products that deliver functionality consistently, all backed by a team of Honeywell technical support specialists ready to assist you. Honeywell performance additives can improve:



Hardness / Toughness

resulting in excellent rub, abrasion and mar resistance

Lubricity

on the surface or during melt processing

Melting Point

to control temperature resistance

Melt Viscosity

for ease of processing and handling



Chemical Resistance

serving as a barrier to water or grease our products are almost completely insoluble in most chemicals and solvents at 25°C

Compatibilizer

providing the ability to combine dissimilar chemistries

Flexibility

our products come in many physical forms, including prills, powders, and micronized particles



The characteristics above allow the A-C[®], ACumist[®], AClyn[®], RheoLub[®] and RheoChem[®] brands of additives to deliver benefits to you and your customers.

Key processing and product design benefits:

PROCESSING ADVANTAGES:

Candles

- Promotes nucleation of paraffin
- Increases melt point
- Increases glass adhesion
- Improves stability at higher temperatures
- Increases opacity
- Increases gloss
- Stabilizes fragrance
- Controls burn rate

Adhesives

- Lowers melt viscosity
- Increases heat resistance
- Improves component compatibility
- Improves green strength
- Improves adhesion to LSE substrates
- Improves cold temperature adhesion
- Improves high temperature adhesion
- Eliminates oil bleed (PSAs)
- Prevents plasticizer migration (vinyl)

Fruit Coatings

(Use on non-edible skins)

- Protects fruit from dehydration
- Protects against fruit diseases
- Protects against insect attacks
- Increases gloss
- Stabilizes fragrance

Paints and Coatings

- Improves suspension of pigments
- Controls rheology
- Increases sag resistance
- Increases mar and abrasion resistance
- Reduces blocking
- Controls coefficient of friction
- Controls gloss
- Optimizes metal flake orientation



END PRODUCT BENEFITS:

- Improves aesthetics
- Strengthens candles
- Holds fragrance longer

- Improves adhesive performance
- Increases service life
- Increases service range

- Prevents fruit weight loss
- Enhances fruit appearance
- Reduces spoilage

- Improves coating performance
- Increases coating service life
- Enhances coating appearance



PROCESSING ADVANTAGES:

Color Masterbatch

- Allows higher pigment loading
- Promotes uniform pigment dispersion
- Increases chroma
- Broadens pigment/filler compatibility

Inks & Graphic Arts

- Increases rub resistance
- Reduces blocking
- Enhances water resistance
- Improves surface smoothness
- Controls surface slip

Lubricant Greases

- Controls oil viscosity and bleed
- Improves ingredient compatibility
- Enhances metal wetting
- Improves corrosion resistance
- Increases resistance to waterwashout
- Increases temperature range

Paper and Kraft Coatings

- Reduces dusting during calendaring
- Reduces blocking
- Reduces water permeability
- Improves surface smoothness
- Improves surface slip
- Increases wax adhesion to substrate

END PRODUCT BENEFITS:

- Reduces pigment cost
- Lowers overall cost
- Enhances aesthetics
- Allows greater design flexibility

- Improves print quality
- Improves paper aesthetics
- Increases service applications
- Aids printing processes

- Extends grease service life
- Extends grease applications
- Reduces metal wear and corrosion

- Improves print quality
- Improves paper aesthetics
- Extends paper application range
- Improves paper service life

PROCESSING ADVANTAGES:

Textile Coatings/ Processing

With paraffin, renders fabrics water resistant

Reduces blocking in coated fabrics

Reduces friction of fibers on metal

Increases surface smoothness of fabrics

With resins, holds creases upon pressing

Emulsions

Controls slip

Increases toughness and gloss

With paraffin, produces a highly water resistant barrier

Plastics

Lowers die head pressures

Increases overall lubricity

Increases metal release

Increases gloss



END PRODUCT BENEFITS:

Enhances garment appearance

Aids in textile processing

Improves dirt and soil repellency

Enhances aqueous coating performance

Increases aqueous coating longevity

Reduces maintenance of finished surfaces

Enhances profile aesthetics

Promotes more uniform dispersion of fillers/modifiers

Increases formulation flexibility

Increases production output

Decreases power consumption

Lessens wear on equipment



For additional information or to contact us, please visit:
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