



PERFORMACOL Alcohols

Specialty polymers and waxes to meet your needs

Typical properties

Product	INCI name	Melt point °C	Hydroxyl number (mg KOH/g)	Appearance (particle size)
PERFORMACOL™ 350 alcohol	C ₂₀₋₄₀ Alcohols	79	115	Tan pastilles
PERFORMACOL™ 425 alcohol	C ₂₀₋₄₀ Alcohols	91	100	Tan pastilles
PERFORMACOL™ 550 alcohol	C ₃₀₋₅₀ Alcohols	99	80	Tan pastilles

Description

PERFORMACOL™ alcohols are fully saturated long chain, linear alcohols from an exclusive reaction process. These high molecular weight alcohols are composed of 80-85% primary alcohol.

Product benefits

Feature	Benefit
Long chain, linear backbone	<ul style="list-style-type: none"> • Efficient oil structure • Improved stick stability • Uniform payout • Film forming • Water resistance
Alcohol functionality	<ul style="list-style-type: none"> • Hair and skin conditioning • Compatibility with silicones, and other cosmetic oils
Oil thickening, rheology modifier	<ul style="list-style-type: none"> • SPF enhancement • Oil phase stability

Applications

PERFORMACOL alcohols are very efficient at thickening and structuring silicone and other cosmetic oils. They form very heat stable stick formulas with good payout. **PERFORMACOL alcohols** are a superb alternative to natural waxes due to their high quality and lot to lot consistency. They can be used alone or in combination with other waxes. Recommended use levels are 2-15% for stick or soft solid formulas.

In creams, lotions, and styling aids, **PERFORMACOL alcohols** thicken the oil phase. This thickening helps to stabilize the oil in the system. On application, **PERFORMACOL alcohols** form a flexible, light film that is conditioning to hair and skin. In sunscreens, these polymers have been shown to double the SPF values by changing the rheology of the oil phase to achieve more uniform application and coverage. Recommended use levels are 1 -3%.

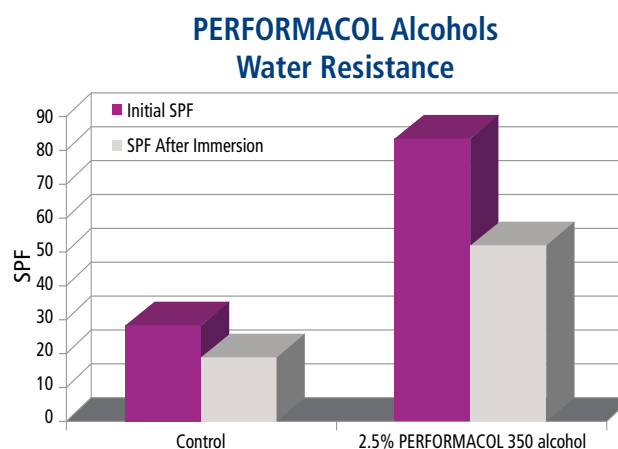
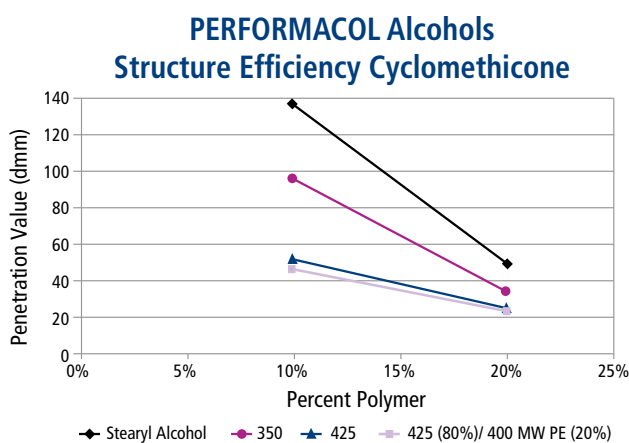
Product availability

The standard package size is a 55 lb bag. 16 oz samples are also available. Other packages are available upon request.

Safety data

Material Safety Data Sheets and product safety information can be requested by visiting us at www.newphasepolymers.com

Performance data



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Because it has become common for purchasers of our products to file patents for specific end uses of our polymer products, Baker Hughes advises its customers to research their particular end use for possible intellectual property issues with respect to third party patents.

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