

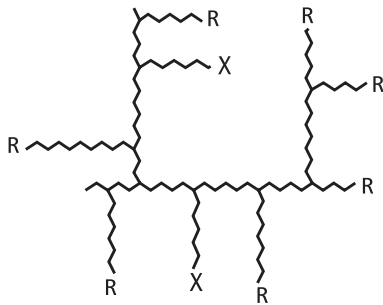


PERFORMA V™ 6112 Polymer

Specialty polymers and waxes to meet your needs

Typical properties

Penetration @ 25 °C	Softening point (°C)	Viscosity @ 99 °C (cPs)	Acid value (mg KOH/g)
7.5	71	440	80



INCI Name: C28-52 Olefin/Undecylenic Acid Copolymer

Description

PERFORMA V™ 6112 polymer is an innovative polyalphaolefin that offers a unique combination of both acid functionality and hyperbranched morphology to provide numerous benefits to personal care formulations.

*where X = 2 to 20 carboxylic groups
And R = 2 to 30

Feature	Benefit
Hyper-branched structure	<ul style="list-style-type: none"> • High shine in anhydrous systems • Binds Oil • Crystal modifier for crystalline polymers/waxes • Pour point depressant • Light / non-greasy aesthetics
Acid Functionality	<ul style="list-style-type: none"> • Anionic emulsifier when neutralized • High gloss • Water resistant film former • Dispersible in water • Stable in low pH systems
Low Melt Point	<ul style="list-style-type: none"> • Easy to formulate
Oil Thickening & Rheology Modifier	<ul style="list-style-type: none"> • SPF enhancement • Oil phase stabilizer • Boost UVA/UVB star ratings

Applications

PERFORMA V™ 6112 polymer is an excellent film former that provides superior water resistance in color cosmetics and sunscreens. PERFORMA V 6112 polymer can be easily neutralized in-situ to aid emulsification of actives, boost SPF and improve star ratings. Recommended use levels for PERFORMA V 6112 polymer are from 1- 5%.

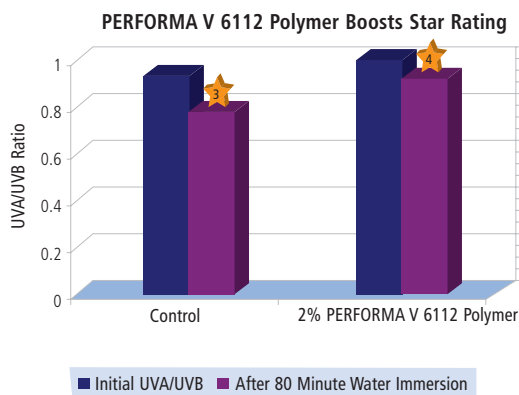
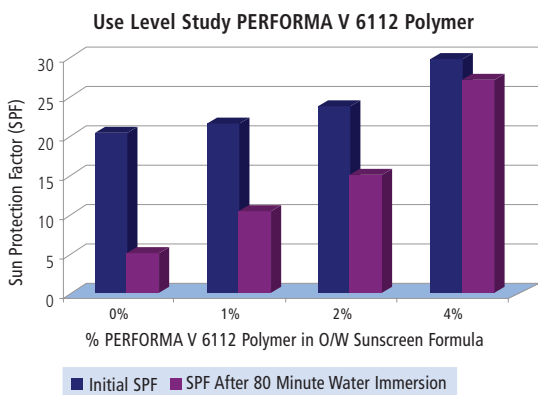
Product availability

The standard form is a pastille packaged in 55 lbs bags. 16oz samples are also available.

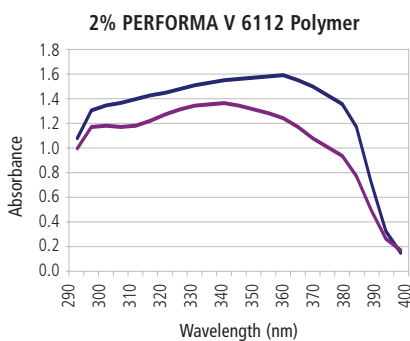
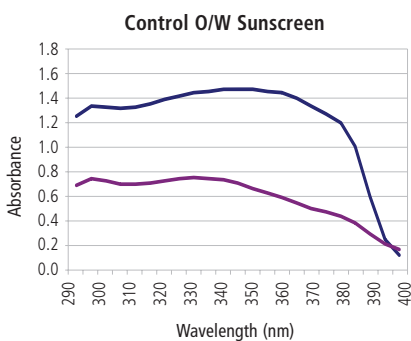
Safety data

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

Performance data



PERFORMA V 6112 Polymer Enhances Sunscreen Active Performance



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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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