



PERSONAL CARE

DOWSIL™ FA PEPS Silicone Acrylate

Proven efficiency and planet savvy



More and more consumers want color cosmetics and skin care products with natural or organic ingredients, but they don't want to give up long-lasting performance. Using advanced silicone technology and a bio-based carrier, Dow has developed a solution with greater natural origin content — without performance trade-offs.

DOWSIL™ FA PEPS Silicone Acrylate is a high performing film former that helps you design long-lasting color cosmetics and skin care products with increased natural origin content. You can move forward on your sustainability journey while meeting consumers' high expectations. The product even carries a sustainability message in its name: Proven Efficiency and Planet Savvy (PEPS).

Performance and natural origin content

DOWSIL™ FA PEPS Silicone Acrylate meets the desired performance attributes in color cosmetics. Superior water and sebum repellency and excellent film integrity and rub-off resistance translate into long-duration benefits (Figures 1-3). High film elasticity delivers a comfortable wear experience (Figure 4). Non-occlusivity is linked to water vapor permeability (Figure 5).

DOWSIL™ FA PEPS Silicone Acrylate uses a carrier 100% derived from renewable feedstocks, which can lower dependency on fossil resources. Improve your naturality content score with a potential of up to 60 percent in natural origin content (following ISO 16128 for substances). Boost your proven efficiency and planet savvy with DOWSIL™ FA PEPS Silicone Acrylate.

DOWSIL™ FA PEPS Silicone Acrylate helps boost natural origin content in formulations — without trading off long-lasting performance

This high performing film former:

- Delivers superior long-lasting wear benefits
- Uses a carrier 100% derived from renewable feedstocks, lowering dependency on fossil resources
- Helps meet a natural origin content of up to 60 percent (ISO 16128)
- Enhances your sustainability profile
- China: Listed in the Catalogue of Cosmetic Ingredients
- INCI: Undecane (and) Tridecane (and) Acrylates / Polytrimethylsiloxymethacrylate Copolymer

Figure 1: Water repellency

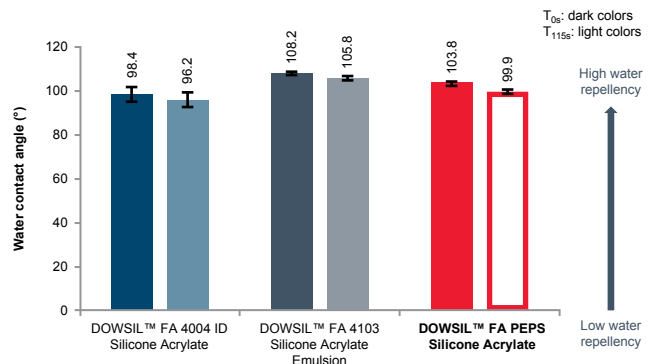


Figure 2: Sebum repellency

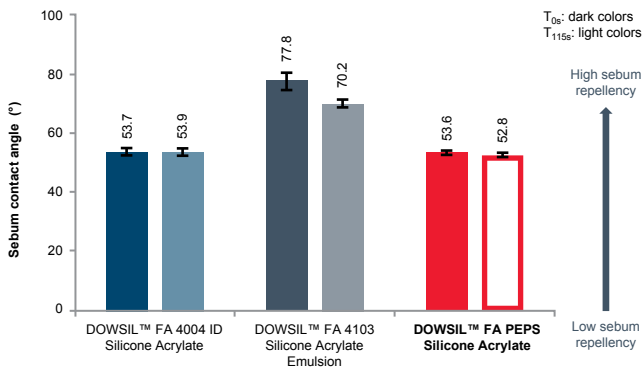


Figure 4: Film flexibility

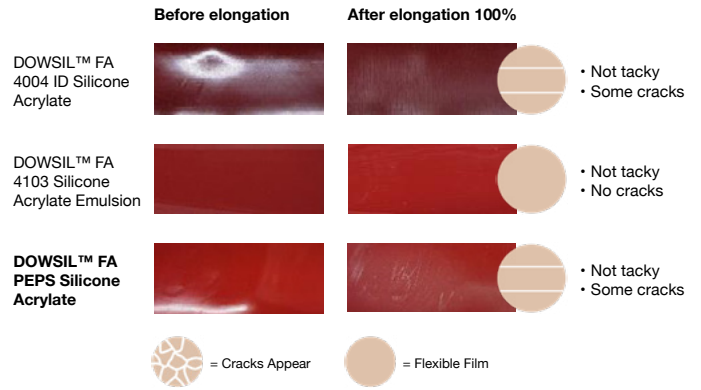


Figure 3: Film durability/rub-off resistance

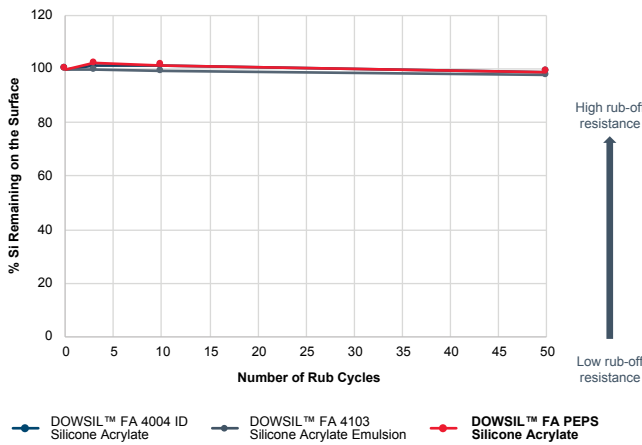
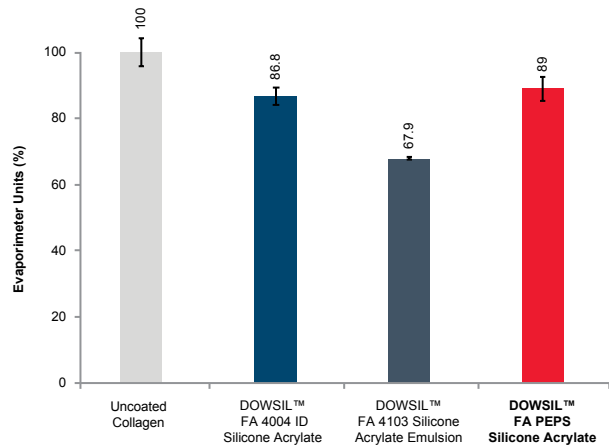


Figure 5: Water vapor permeability



Need more information?

Dow has extensive experience with beauty and personal care solutions. Leverage our expertise to help you determine which materials are best suited to your application. Simply visit consumer.dow.com to learn how we can help you bring performance and processability to your products.

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