



Lilac[®], Lilac[®]-G, Iris[®]

Versatile and Cost Effective Silicone Replacements and Extenders

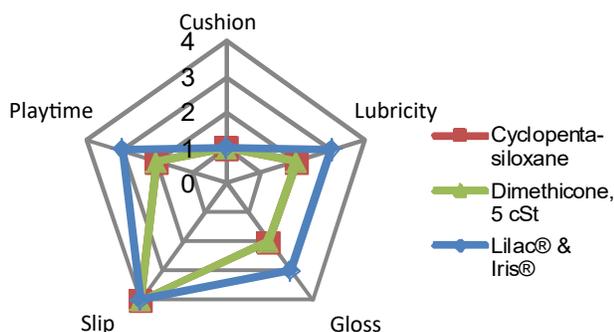
Clear, Odorless and Inert • Microbial Resistant • Environmentally Friendly • UV & Thermally Stable

Lilac, Lilac-G and Iris are highly versatile alkanes with proven safety and quality performance. Their compatibility with many common ingredients provide an ease in formulating personal care products from skin and hair care to antiperspirants and sun care products. Not only do they offer their own distinct advantages including protective barrier properties, they provide an excellent delivery system for other key ingredients. Favorable skin and ocular undiluted test results provide the peace of mind you need. These are core products for Sonneborn with global availability.

Sensory Profile

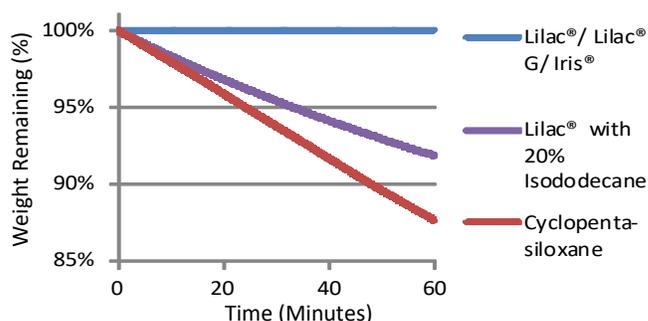
Replace your silicone fluid while maintaining or improving your product's sensory characteristics with a dry silky after-feel.

Conditions, Moisturizes, Lubricates and Protects



Volatility Profile at Skin Temperature

Lilac, Lilac-G and Iris have a comparable volatility profile to Dimethicone (5 cSt). Where greater volatility is preferred, the addition of a small amount of solvent such as isododecane can increase the profile.



Properties

Product	INCI Name	Viscosity cSt @40°C	Specific Gravity @ 25°C/25°C	Flash Point °C (°F)
Lilac [®]	C14-22 Alkane	4-5	0.810/0.830	136 (275)
Lilac [®] G	C15-23 Alkane and C13-14 Alkane	4-5	0.810/0.830	136 (275)
Iris [®]	C12-17 Alkane	2-3	0.791/0.806	108 (225)