

Versatile Cosmetic Oils

SilkFlo[®] Hydrogenated Poly-1-decenes

PRODUCT DATA

Description SILKFLO Polydecenes are clear, bright, high-purity hydrocarbon liquids. Their unique, non-oily feel sets them apart from mineral oils and similar products on the market. These fully hydrogenated oligomers of decene-1 are listed by the CTFA under polydecene.

Suggested Applications	Creams Lotions Oils Cleansers	Sunscreens Color Cosmetics Conditioners Moisturizers	Antiperspirants Deodorants
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Features	Non-oily Feel Highly Uniform Non-Comedogenic	Colorless Odorless	Stable Safe Tasteless
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Typical Properties	362	364	366
Viscosity @ 40 °C, cSt	5.5	17	31
Viscosity @ 100 °F, SUS	45	85	145
Pour Point, °C	<-55	<-65	<-60
Flash Point, °C	>145	>204	>255
Specific Gravity @ 60 °F (15.56 °C)	0.797	0.818	0.827
Refractive Index	1.4451	1.4555	1.4592
APHA Color	<10	<10	<10
Acid No (mg KOH/gm)	<0.01	<0.01	<0.01
Bromine No (g Br/100g)	<1.0	<0.4	<0.4

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