

Synthetic Squalane

Synthetic Squalane is Hydrogenated Polyisobutene (INCI name), it is a polymer with branched chains aliphatic hydrocarbon structure, without ring structure.

Characteristics:

- Colorless, odorless, tasteless
- Good drying property
- Completely compatible with wax, silicone and medicament
- Lower viscosity and density with light oilness
- Environmentally friendly and Good biodegradability
- Low- μ formulation suitable for cosmetic applications
- Totally stable versus oxidation

Performance:

Item	Unit	Spec	Typical	Test Method
Appearance	--	--	Bright & Clear	Visual
Color	APHA	Report	5 max	ASTM D1209
Density@15°C	g/cm ³	Report	0.819	ASTM D1963
Kinematic Viscosity @ 40/40°C	cSt	Report	12.70	ASTM D455
Refractive index@20°C	--	1.45—1.46	1.454	ASTM D1218
Total Acid Value	mgKOH/g	0.01max	<0.01	ASTM D974
Iodine value	gl/100g	1.5 max	0.01	ASTM D5554

Application

Hereafter are some indicative possible uses of Hydrogenated Polyisobutene in cosmetic and pharmaceutical formulations :

- Hydrating creams
- After shave balms
- Antiperspirants
- Color cosmetics
- Acne creams
- Hair grooms
- Sunscreen formulations
- Lipsticks
- Hair relaxers
- Baby care
- Cleansing creams
- Shaving gels