

SHELL GTL ISOPARAFFINS

UNIQUE GAS-TO-LIQUID PRODUCTS



Shell produces Gas-to-Liquid (GTL) isoparaffins using an advanced catalytic process to convert natural gas into 98% alkanes that are primarily isoparaffins. Uniquely pure, safe and with increased biodegradability, these low viscosity isoparaffins offer many advantages that alternatives cannot.

CUSTOMER BENEFITS

- Unmatched purity - colorless and very low odor
- Improved biodegradability - much more environmentally friendly than other solvents
- Distinctively safe - non-sensitizing, non-toxic, non-irritating, non-phytotoxic, non-staining, not harmful to honeybees or aquatic organisms, non-corrosive
- Higher flash point than possible with similar viscosity solvents
- Lower pour point than normal paraffins
- Stable synthetics - GTL technology delivers a very consistent composition
- Lower viscosity than highly branched isoparaffins, helps with faster formulation blending
- Low foaming, low evaporation rate

SHELL'S NEXT GENERATION FORMULATING ISOPARAFFINS

APPLICATIONS

- Personal care and cosmetics - lotions, conditioners, hairsprays, mascaras and more. Offers emolliency, improved spreadability, silky feel and consistency.
- Carriers - agricultural spray oils, pesticides, aerosols, fragrances, air fresheners, drilling fluids
- Cleaners/lubricants - institutional cleaners, car care, polishes and waxes, as catalyst diluent, degreaser, bike lubes, machine and metal cleaning
- Production aids - aluminum rolling oils, defoamers for water treatment, metalworking fluids and dust suppressants
- Fuel - liquid candles, indoor lamp oils, lighter fluids
- Other product components - adhesives, paints, sealants, heatset ink oils, heat exchange fluids

REGULATORY

Shell GTL Isoparaffins meet FDA food contact and cosmetics requirements. Contact us for details.



SHELL is a trademark or registered trademark of Shell International Petroleum Co.

Renkert Oil, LLC

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TEST DATA**GTL ISOPARAFFINS**

Typical Properties	Methods	GS190	GS1927	GS215	GS250	GS270	GS310
Appearance	ASTM D4176	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear
Color, Saybolt	ASTM D156	+30	+30	+30	+30	+30	+28
Density @ 15°C	ASTM D4052	0.754	0.763	0.767	0.775	0.784	0.800
Distillation, IBP	ASTM D86	185	188	218	253	274	310
Distillation, FBP	ASTM D86	215	263	247	270	305	355
Flash Point °C	ASTM D93	64	70	85	110	130	160
Pour Point °C	ASTM D97	-50	-25	-50	-27	-18	-6
Viscosity cSt @ 40°C	ASTM D445	1.3	1.8	1.7	2.3	3.3	5.9

GTL FLUIDS

Typical Properties	Methods	G70	G80	G85
Appearance	ASTM D4176	Bright & Clear	Bright & Clear	Bright & Clear
Color, Saybolt	ASTM D156	+30	+30	+30
Density @ 15°C	ASTM D4052	0.777	0.764	0.780
Distillation, IBP	ASTM D86	179	200	198
Distillation, FBP	ASTM D86	343	260	343
Flash Point °C	ASTM D93	73	84	86
Pour Point °C	ASTM D97	-36	-40	-20
Viscosity cSt @ 40°C	ASTM D445	2.6	1.8	2.9

Contact us for further information about specifications, applications, samples and delivery.

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