

ISOPAR®



Paraffinic Solvents

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Product Description

ISOPAR is the brand name for eight grades of high-purity isoparaffinic solvents with narrow boiling ranges. The exceptional purity of ISOPAR is the basis for such desirable properties as: low odor, selective solvency, good oxidation stability, low electrical conductivity, low skin irritation, and suitability for many food-related uses. The inherently low surface tension of ISOPAR imparts superior spreadability to proprietary formulations such as furniture polishes, waterless hand cleaners and pesticides.

Typical Properties

ISOPAR	C	E	G	H	K	L	M	V
Solvency								
Kauri-butanol value, ASTM D 1133	27	29	27	26	27	27	25	23
Aniline Point, °C (°F)	78 (173)	75 (167)	83 (181)	84 (183)	83 (181)	85 (185)	91 (196)	92 (198)
Volatility								
Flash Point, ASTM D 56, TCC, °C (°F)	-8 (18)	7 (45)	41 (106)	54 (129)	57 (135)	64 (147)	93 (199)	129 (265)
Distillation, ASTM D 86, IBP °C (°F)	98 (208)	118 (244)	160 (320)	178 (352)	178 (351)	189 (372)	223 (433)	273 (523)
Distillation, ASTM D 86, Dry Point °C (°F)	104 (219)	137 (279)	176 (349)	188 (370)	197 (387)	207 (405)	254 (489)	312 (594)
Specific Gravity, @ 15.6 °C (60°F), ASTM D 1250	0.70	0.72	0.75	0.76	0.76	0.77	0.79	0.83
Composition								
Saturates	100	100	100	100	99.9	99.9	99.9	99.8
Aromatics	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.5
Purity, ppm								
Acids	None							
Chlorides	<3	<2	<1	<3	2	<1	-	7
Nitrogen	-	<2	<1	<1	<1	<1	-	-
Peroxides	0	0	Trace	<1	<1	<1	<1	<1
Sulfur	1	1	1	1	<2	<2	<2	1
Surface Properties								
Surface tension, dynes/cm @ 25 °C (77°F), ASTM D 971	20.3	22.1	23.8	24.1	24.2	25.1	26.4	26.9
Interfacial tension, @ 25 °C (77°F)	48.9	48.9	51.6	51.4	50.1	49.8	52.2	44.9
Demulsibility	Excellent							

ExxonMobil Lubricants & Specialties

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