

Mitsui LUCANT[®],ç HC-100 Synthetic Oil

Category : Fluid , Lubricant

Material Notes:

LUCANT[®], a hydrocarbon-based synthetic oil having no polar groups, is a co-oligomer of ethylene and -olefin. It possesses surpassing resistance to heat and cold and lower dependence of viscosity on temperature. Characteristics Non-volatile, colorless and transparent Excellent viscosity-temperature properties Low dependence of viscosity on temperature Excellent heat and oxidation stability Low pour point High flash and fire points Chemically stable, thus causing little or no metallic corrosion Applications Lubricant: Base oil and formulating ingredient for special lubricants, greases and functional fluids, which require resistance to heat and cold Rubber: Oil extender and processability improver in cases, which require resistance to heat, cold and volatility Resins: Softening and process agent Other: Pressure-sensitive adhesive, bonding agents, coating materials, ink, heat medium and special solutions Information provided by Mitsui Chemicals America, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mitsui-LUCANT-HC-100-Synthetic-Oil.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.841 g/cc	0.841 g/cc	d ²⁰ ₄ ; Anton Paar density meter
Brookfield Viscosity	28000 cP	28000 cP	ASTM D2983
	@Temperature 0.000 Å°C	@Temperature 32.0 Å°F	
	76000 cP	76000 cP	
Brookfield Viscosity	@Temperature -10.0 Å°C	@Temperature 14.0 Å°F	ASTM D2983
	270000 cP	270000 cP	
	@Temperature -20.0 Å°C	@Temperature -4.00 Å°F	
Brookfield Viscosity	1.20e+6 cP	1.20e+6 cP	ASTM D2983
	@Temperature -30.0 Å°C	@Temperature -22.0 Å°F	
	165	165	
Viscosity Measurement	165	165	Viscosity Index; JIS K 2283
Kinematic Viscosity at 40Å°C (104Å°F)	1300 cSt	1300 cSt	JIS K 2283
Kinematic Viscosity at 100Å°C (212Å°F)	100 cSt	100 cSt	JIS K 2283
Ash	<= 0.010 %	<= 0.010 %	JIS K 2272
ASTM Color	5.0	5.0	ASTM D1209

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Load Wear Index	3.0	3.0	[kg/cm ²]; 750 rpm; JIS K 2519
	7.0	7.0	[kg/cm ²]; 200 rpm; JIS K 2519

Thermal Properties	Metric	English	Comments
Pour Point	-32.5 Â°C	-26.5 Â°F	JIS K 2269
Flammability Test	320	320	[Â°C]; Fire Point; JIS K 2265
	410	410	Autoignition temp.; ASTM D2155-66
Flash Point	280 Â°C	536 Â°F	COC Method; JIS K 2265

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Chemical Properties	Metric	English	Comments
Acid Value	<= 0.010	<= 0.010	[mg KOH/g]; total acid number; JIS K 2501

Descriptive Properties	Value	Comments
Aniline Point Â°C	160	JIS K 2265
Carbon Residue wt%	0.01	JIS K 2270
Copper Corrosion	1	JIS K 2513
Reaction	Neutral	JIS K 2252

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