

S-OIL Process Oil

Product Description

S-OIL process oils are highly refined paraffinic process oils with very high level of saturates. They are light colored, odorless and show superior chemical and physical properties including excellent oxidation stability and low volatility. They designed for a wide variety of process applications and available in a wide range of viscosities.

Applications

- Textile industry
- Sealant and coatings, polymer production, deformer, rubber membrane, asphalt extender, weather stripping
- Automotive under hood parts, automotive moldings, sound and vibration dampening material, tires
- Heat transfer fluids, wire and cable insulation and sheathing

Features and potential benefits

- Wide range of viscosities
- Highly saturated, low aromatics content
- Excellent oxidation stability
- Light colored and very good color stability
- Low evaporation losses at high temperature improves process efficiency

Typical Properties

Test Items	Method	Unit	60	70	100+	150	150+	250+	500
Specific gravity	ASTM D1298	-	0.819	0.827	0.836	0.865	0.842	0.849	0.876
Viscosity	ASTM D445	40°C	7.62	13.64	19.47	29.93	32.37	44.16	95.44
		100°C	2.26	3.32	4.22	5.24	5.95	7.37	11.27
Viscosity index	ASTM D2270	-	105	114	122	105	131	131	104
Flash point	ASTM D92	°C	160	202	224	216	240	246	242
Pour point	ASTM D97	°C	-38	-29	-22	-18	-17	-14	-20
Color, Saybolt	ASTM D156		+30	+30	+30	+30	+30	+30	+30
Sulfur content	ASTM D5453	ppm	< 1.0	< 1.0	< 1.0	3	< 1.0	< 1.0	4
Ring analysis - Aromatics	ASTM D3238	wt%	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Ring analysis - Naphthenic		wt%	30.2	24.0	21.3	33.3	19.4	18.7	30.4
Ring analysis - Paraffinic		wt%	69.8	76.0	78.7	66.7	80.6	81.3	69.6
Aniline point	ASTM D611	°C	99.6	110.0	114.7	111.0	121.5	124.5	124.5
Saturate	ASTM D2077	wt%	99.3	99.3	99.3	99.1	99.3	99.3	99.1
T.B.N			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cu Corrosion			1b						