



Shell Flavex Oil 909

Good solvency paraffinic process oil

Shell Flavex Oils are manufactured from a paraffinic crude oil via hydrotreating or extraction and exhibit a higher aromatic content than standard paraffinic process oils. The good solvency characteristics enable the preferred applications as extender oils or carrier fluids.

DESIGNED TO MEET CHALLENGES

Specifications, Approvals & Recommendations

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties			Method	Shell Flavex Oil 909
Colour (ASTM)			ASTM D1500	L0.5
Density	@15°C	kg/m ³	ISO 12185	836
Refractive Index	@20°C		ASTM D1218	1.461
Flashpoint (COC)		°C	ISO 2592	140
Pour Point		°C	ISO 3016	-3
Kinematic Viscosity	@20°C	mm ² /s	ISO 3104	7.6
Kinematic Viscosity	@40°C	mm ² /s	ISO 3104	4.4
Kinematic Viscosity	@100°C	mm ² /s	ISO 3104	1.6
Sulphur (X-Ray)		% m/m	ISO 14596	<0.05
Carbon Type Distribution : C/A (S-corr.)		%	DIN 51378/ASTM D2140 mod.	4
Carbon Type Distribution : C/N (S-corr.)		%	DIN 51378/ASTM D2140 mod.	32
Carbon Type Distribution : C/P (S-corr.)		%	DIN 51378/ASTM D2140 mod.	64
Refractive Intercept (RI)			DIN 51378	1.0447
Viscosity Gravity Constant (VGC)			DIN 51378	0.817
Aniline Point		°C	ISO 2977	83
Clay Gel Analysis : Polar Components		% m/m	ASTM D2007	0.1
Clay Gel Analysis : Aromatic Components		% m/m	ASTM D2007	14.9
Clay Gel Analysis : Saturated Components		% m/m	ASTM D2007	85.0
Evaporation Loss (22 hrs)	@107°C	% m/m	ASTM D972	35
Noack Volatility (1 hr)	@250°C	% m/m	ASTM D5800	100
PCA Content (DMSO Method)		% m/m	IP 346	<3

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

- **Health and Safety**

Shell Flavex Oil 909 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from <http://www.epc.shell.com/>

- **Protect the Environment**

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

- **Advice**

Advice on applications not covered here may be obtained from your Shell representative.