



Shell Flavex Oil 595

Good solvency paraffinic process oil

Shell Flavex Oils are manufactured from a paraffinic crude oil and exhibit a higher aromatic content than standard paraffinic process oils. Shell Flavex Oil 595 is a labelling-free high viscosity aromatic process oil made from a residual oil fraction. This oil type is also known as RAE (residual aromatic extract). It is a potential substitute for distillate aromatic extracts (DAE) used as extender oils in rubber. It meets the requirements of EU Directive 2005/69/EC.

Typical Physical Characteristics

		Flavex 595	
Colour (ASTM)		ISO 2049	L 8.0
Density at 15 °C	kg/m ³	ISO 12185	980
Refractive Index at 20 °C		ASTM D 1218	1.5500
Flashpoint COC	°C	ISO 2592	300
Pour Point	°C	ISO 3016	15
Kinematic Viscosity		ISO 3104	
at 20 °C	mm ² /s		
at 40 °C	mm ² /s		3300
at 100 °C	mm ² /s		60.0
Sulphur (X-Ray)	%m/m	ISO 14596	4
Carbon Type Distribution		DIN 51378 /	
C/A (S-corr.)	%	ASTM D 2140	29
C/N (S-corr.)	%	mod.	15
C/P (S-corr.)	%		56
Refractive Intercept (RI)		DIN 51378	1.060
Viscosity Gravity Constant (VGC)		DIN 51378	0.916
Aniline Point	°C	ISO 2977	66
Clay Gel Analysis		ASTM D 2007	
polar components	%m/m		20
aromatic components	%m/m		70
saturated components	%m/m		10
Evaporation Loss (22h/107°C)	%m/m	ASTM D 972	< 0.1
Noack Volatility (1h/250°C)	%m/m	ASTM D 5800	0.5
Carbon Type Distribution		DIN 51378 /	
C/A (non S-corr.)	%	ASTM D 2140	34
C/N (non S-corr.)	%	mod.	28
C/P (non S-corr.)	%		38
Benzo(a)pyrene content	mg/kg		<1
Sum of 8 PAH contents	mg/kg		<10

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

Health & Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet, which can be obtained from your Shell representative.

Protect the environment

Do not discharge into drains, soil or water