



# Shell Flavex Oil 595 DNT

## Aromatic process oil (RAE-type)

Shell Flavex Oil 595 DNT is a 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 and tyres. It fully meets the requirements of EU Tyre Directive 2005/69/EC. Shell Flavex 595 DNT is dyed to comply with regulatory requirements.

### Typical Physical Characteristics

		Flavex 595 DNT	
Colour (ASTM)		ISO 2049	D 8.0
Density at 15 °C	kg/m <sup>3</sup>	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 <sup>2</sup> /s		
at 100 °C	mm <sup>2</sup> /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
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.