

Shell Oil 8701

Paraffinic process oil



Typical Physical Characteristics

		Oil 8701	
Colour (ASTM)		ISO 2049	L0.5
Density at 15 °C	kg/m ³	ISO 12185	857
Refractive Index at 20 °C		ASTM D 1218	1.471
Flashpoint COC	°C	ISO 2592	200
Pour Point	°C	ISO 3016	-18
Kinematic Viscosity		ISO 3104	
at 20 °C	mm ² /s		41
at 40 °C	mm ² /s		17.3
at 100 °C	mm ² /s		3.7
Sulphur (X-Ray)	%m/m	ISO 14596	0.1
Carbon Type Distribution		DIN 51378 /	
C/A (S-corr.)	%	ASTM D 2140	1
C/N (S-corr.)	%	mod.	34
C/P (S-corr.)	%		65
Refractive Intercept (RI)		DIN 51378	1.0437
Viscosity Gravity Constant (VGC)		DIN 51378	0.811
Aniline Point	°C	ISO 2977	101
Clay Gel Analysis		ASTM D 2007	
polar components	%m/m		
aromatic components	%m/m		
saturated components	%m/m		
Evaporation Loss (22h/107°C)	%m/m	ASTM D 972	2.0
Noack Volatility (1h/250°C)	%m/m	ASTM D 5800	
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.