

SHELL CATENEX OIL S

PARAFFINIC PROCESS OIL

DESIGNED TO MEET CHALLENGES

Shell Catenex Oils S are paraffinic process oils manufactured via the solvent extraction process. They are general purpose process oils as extender or carrier fluids.

TYPICAL PHYSICAL CHARACTERISTICS

CHARACTERISTICS		523	579
Colour (ASTM D 1500)		1.0	5.5
Density @ 15°C kg/m ³ (ISO 12185)		868	905
Refractive Index @ 20°C (ASTM D 1218)		1.478	1.498
Flash Point °C (COC) (ISO 2592)		210	300
Pour Point °C (ISO 3016)		-15	-6
Kinematic Viscosity	@ 20°C mm ² /s (ISO 3104)	58	2300
	@ 40°C mm ² /s	23	500
	@ 100°C mm ² /s	4.5	32.0
Sulphur X-Ray %m/m (ISO 14596)		0.6	1.3
Carbon Type Distribution (DIN 51378) (ASTM D 2140)	C/A S-corr. %	3	6
	C/N S-corr. %	28	23
	C/P S-corr. %	69	71
Refractive Intercept (RI) (DIN 51378)		1.0450	1.0470
Viscosity Gravity Constant (VGC) (DIN 51378)		0.812	0.819
Aniline Point °C (ISO 2977)		100	122
Clay Gel Analysis (ASTM D 2007)	polar components %m/m	0.6	3.0
	aromatic components %m/m	23.4	48.5
	saturated components %m/m	76.0	48.5
Evaporation Loss 22h/107°C %m/m (ASTM D 972)		0.8	<0.1
Noack Volatility 1h/250°C %m/m (ASTM D 5800)		18	-
PCA-Content (DMSO) %m/m (IP 346)		<3	<3