



Shell Catenex T 125 K

High quality paraffinic process oil

Shell Catenex T are highly refined hydrotreated paraffinic process oils, which are virtually colourless and sulphur free. These oils are highly saturated, free of aromatics and polar compounds. Catenex T Oils are nearly odourless and are recommended for use in process oil applications where colour stability, low volatility and low sulphur levels are required. These highly refined oils are ideal for use as process oils in rubber, elastomer, plastic, adhesive and numerous other manufacturing processes.

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 Catenex T 125 K
Colour	maximum	ISO 2049	0.5
Colour (Saybolt)		DIN 51411	+30
Density	@15°C kg/m ³	ISO 12185	852
Refractive Index	@20°C	ASTM D1218	1.468
Flashpoint (COC)	°C	ISO 2592	229
Pour Point	°C	ISO 3016	-18
Kinematic Viscosity	@20°C mm ² /s	ISO 3104	80
Kinematic Viscosity	@40°C mm ² /s	ISO 3104	30
Kinematic Viscosity	@100°C mm ² /s	ISO 3104	5.3
Dynamic Viscosity	@20°C mPa.s	Calculated	67
Viscosity Index		DIN ISO 2909	106
Carbon Type Distribution : C/A (S-corr.)	%	DIN 51378/ASTM D2140 mod.	0
Carbon Type Distribution : C/N (S-corr.)	%	DIN 51378/ASTM D2140 mod.	29
Carbon Type Distribution : C/P (S-corr.)	%	DIN 51378/ASTM D2140 mod.	71
Refractive Intercept		DIN 51378	1.044
Viscosity Gravity Constant (VGC)		DIN 51378	0.794
Aniline Point	°C	ASTM D611	112
Sulphur	mg/kg	ISO 14596	5
PCA Content (DMSO Method)	%m/m maximum	IP 346	3.0
Noack Volatility	1h/250°C %m	ASTM D5800	12
Evaporation Loss	22h/107°C %m	ASTM D972	0.3

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 Catenex T 125 K 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 Safety Data Sheet, which can be obtained from <https://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.