



Product Data Sheet

OPTIMOL VISCOGEN G - solid-free transparent synthetic oil for extremely heavy loads and high-temperature lubrication. Forms a lubricating film with excellent load carrying ability even at extreme temperatures.

OPTIMOL VISCOGEN G leaves virtually no residues even when overheated. No hard carbon in lines of central lubrication systems, no hard residues in plain bearings, joints, etc.

Due to its good viscosity/temperature characteristics and excellent adhesion, OPTIMOL VISCOGEN G retains its lubricity, reduces friction and offers optimum wear protection at temperatures up to + 180°C/ + 356°F.

OPTIMOL VISCOGEN G is much more economical in use than conventional mineral or synthetic oils thanks to its superior creep properties, adhesion and thermal stability.

APPLICATIONS

OPTIMOL VISCOGEN G is miscible with mineral oil. Maximum performance however only if applied unmixed.

OPTIMOL VISCOGEN G cannot be mixed with glycol-based synthetic oils.

For further information, especially for changing I.S. machines from mineral oil to OPTIMOL VISCOGEN G contact Technical Service.

ADVANTAGES

- thermally stable
- evaporates with extremely low formation of residues
- leaves no hard residues
- low odor
- reduces friction and wear
- contains no solid lubricants which might form deposits
- good pumpability in central lubrication systems
- no start-up problems after shutdowns due to favorable viscosity index
- compatible with mineral oil
- excellent adhesion
- reduced lubricant consumption
- temperature stable up to + 180°C/+ 356°F

USAGE

OPTIMOL VISCOGEN G is approved for lubrication of Emhart, Bottero, Heye and O-I container glass machines. The lubricant is usually applied by a central lubrication system. Lubrication intervals can be extended up to 90 min.

OPTIMOL VISCOGEN G is suitable for all lubrication points at normal and high temperatures in the glass industry, e.g., feeder mechanisms, PIV-drives, worm gear feeder drives, conveyor and stacker chains.

OPTIMOL VISCOGEN G for chain lubrication with drip-feed lubricator, central lubrication, oil spraying systems or manually (with brush or oil can) in stenter frames, paint ovens, etc.

TYPICAL PROPERTIES**OPTIMOL VISCOGEN G**

	175	220
Base Fluid	Synthetic	Synthetic
Color	Transparent reddish	Transparent reddish
Density, DIN 51757, g/cm ³ @ 15°C/60°F	0.940	0.940
ISO grade Viscosity, DIN 51519		220
Viscosity, DIN 51562 @40°C/cSt	167	210.9
@100°C/cSt	19.8	23.63
Viscosity Index, ISO 2909	137	139
Flash point, ASTM D-92, °C/°F	216/420	216/420
Fire point, ASTM D-92, °C/°F	266/510	266/510
Pour point, ASTM D97, °C/°F	-30/ -22	-34/ -29.2

Subject to Usual Manufacturing Tolerances