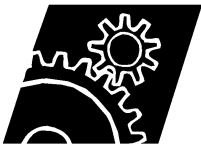


CARTER EP



Lubrication



Mineral oils for enclosed gears.

APPLICATIONS

Enclosed gears, bearings, couplings

- **CARTER EP** has been specially designed for lubricating enclosed gears operating under severe conditions:
 - bevel and spur gears
 - bearings and gear couplings
 - worm gears.

SPECIFICATIONS

International specifications

Manufacturers

- DIN 51517 Part III
- ISO 12925-1 CKSMP
- AGMA 9005 – F 16 Antiscuffing
- JIS K2219. 2006 (class 2)
- DAVID BROWN S1.53.101 E
- AIST 224
- FLENDER AS 7300

ADVANTAGES

- Excellent extreme-pressure and anti-wear properties.
- Perfect seal compatibility.
- Very good resistance to oil oxidation and degradation.
- Outstanding protection to rust and corrosion of copper alloys.
- Very good resistance to foaming and emulsion formation.

HANDLING OPERATIONS - HEALTH - SAFETY

- **CAUTION:** not compatible with polyglycol base oils.

TYPICAL CHARACTERISTICS	METHODS	UNITS	CARTER EP							
			68	100	150	220	320	460	680	1000
Density at 15 °C	ISO 3675	kg/m ³	875	882	889	895	901	895	894	937
Viscosity at 40 °C	ISO 3104	mm ² /s	68	100	150	220	320	460	680	1000
Viscosity at 100 °C	ISO 3104	mm ² /s	8.9	11.3	14.7	19	24.3	34.5	45	43,5
Viscosity index	ISO 2909		106	98	97	97	97	113	112	80
Open cup flash point	ISO 2592	°C	230	233	227	270	264	256	258	244
Pour point	ISO 3016	°C	- 24	- 21	- 21	- 21	- 15	- 12	- 12	- 9
FZG A/8,3/90	DIN 51 354/2	Fail stage	14 Pass	14 Pass	14 Pass	14 Pass	14 Pass	14 Pass	12 Pass	12 Pass
FZG Micropitting	FVA 54	Fail stage	-	10 high	10 high	10 high	10 high	10 high	10 high	10 high
GFT class										

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS
Industrie & Spécialités
04-07-2019 (supersedes 01-12-2015)
CARTER EP
1/1



This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.
A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or down loaded from www.quick-fds.com.