

Carbaflo® 2260

Perfluorinated High Temperature Grease

Product description

CARBAFLO® 2260 is a high temperature resistant grease for the lubrication of high temperature bearings. It is resistant against organic alkaline and inorganic acids and exhibits excellent high pressure properties. The low evaporation rate of the base oil guarantees extended re-lubrication intervals at elevated temperatures, which often reach or are longer than the lifetime of the components.

CARBAFLO® 2260 has BAM -approval for the use with oxygen.



Ingredients

CARBAFLO® 2260 contains PTFE, Fluorohydrocarbonpolymers, EP-, Anti-wear-, corrosion protection-, de-watering- and high pressure-additives.

TEST	SPECIFICATION	RESULT
Appearance		soft, homogenous, pasty
Colour		white
Density (20°C)	IP 365 / 85	1,9 g/cm ³
Cinematic viscosity	IP 71 / 87	At 20°C : 1500 mm ² /s At 40°C : 500 mm ² /s
NLGI - grade	DIN 51818	2
Dropping point	IP 132 / 85	> 230°C
Pure point	IP 15 / 86	—
Useful working temperature		-35°C up to +280°C (300°C)
Emcor - Test	DIN 51802	0

Advantage

CARBAFLO® 2260 is resistant against the most organic solutions and inorganic acids and has a better oxidation resistance than mineral or synthetic oils. It protects from corrosion and is non toxic in the usable temperature range.

CARBAFLO® 2260 has excellent high pressure properties, which work along the whole temperature range. The product is chemically inert and is not influenced by chemicals used for metalworking or coating.

CARBAFLO® 2260 has outstanding dielectric properties and is suitable for the lubrication of electrical com-

Application

The surfaces should be completely cleaned from dust, dirt, fingerprints, mineral oils or other synthetic oils than CARBAFLO® and so on.

Cleaning from CARBAFLO® 2260 can be done by CARBAFLO® 790



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Bearing test according to IP 168

TEST	Nr. 1	Nr. 2
Testing time	500 h	500 h
Temperature	150°C	175°C
Rounds per minute	5000 1/min	4000 1/min
Force	1334 N	1334 N
Amount of grease bearing	28 g RHP 16 MJ 40	28 g RHP 16 MJ 40

Comment

Bearings have been filled about 50% of their free space instead of the round about 30 ml, what is related to the high density of the CARBAFLO® 2260 .

Result of the bearing test:

TEST		Nr. 1, Bearing :		Nr. 2, Bearing :	
		A	B	A	B
Wight losses of the grease					
2g	1.				
2g to 5g	2.	4,8	4,1	4,7	4,8
5g to 10g	3.				
10g and more	4.				
Lt. IP: Item 1 a. 2 = passed					
Evaluation of the used grease					
Unchanged or only minor change	1.	3	3	3	3
Major softening or hardening	2.				
Lt. IP: Item 1 = passed					
Evaluation of the lubrication					
Bearing surface still lubricated	1.	3	3	3	3
Change of colour or covered with residues of paint or hardened grease	2.				
Bearing dry a./o. traces or metallic particles in the grease	3.				
Lt. IP: Item 1 = passed					
Evaluation of the wear at the bearing cage					
Up to 0,05	1.				
0,05 to 0,10	2.			0,034	
0,10 to 0,15	3.	0,0637	0,077		0,06
0,15 to 0,20	4.				
Lt. IP: Item 1 and 2 = passed					