

# GREASE-PLUS FLUOR PTFE H 1

GREASES

324902501



## EXTREMELY HIGH TEMPERATURE GREASE

This is a white, uniform, butter-like grease made of perfluorinated polyether. It is especially resistant to high temperatures, chemical substances, and oxygen. It is suitable for use in environments with hot and cold water, steam, fuel, acids, alkaline products, non-fluorinated solvents, and chlorinated solvents. Its continuous operating temperature is 250°C and it can briefly reach a peak temperature of 300°C. It provides exceptional stability to heat and chemical agents, making it highly efficient in various applications, including electric motor bearings, roller bearings in furnace wagon wheels, thermal stabilized ball bearings in clip chains, chain bearings in drying plants, stenter chains bearings, vacuum pump units, handling and pumping of alkaline products and acids, handling and pumping of petroleum, fuel oils and oils, handling and pumping of solvents, oven lubrication, stabilisation or polymerisation in glass production, textile & plastic film production, nuclear sites, production of corrugated, glass house construction, and paint lines in car manufacturing. As previously mentioned, this product is

insoluble in most solvents, so using solvents to clean tools or mechanisms in contact with the product is not recommended. Only fluorinated cleaners can effectively remove or dissolve the product.

## CATEGORY

Greases

## BENEFITS

PROPERTY	METHOD	VALUE
Colour		White
Thickener, soap type		PTFE
Base oil nature		Fluorinated polyether
Base oil viscosity @ 40 °C, mm <sup>2</sup> /s	ASTM D445	500
NLGI consistency		1
Penetration @ 25 °C, x 0,1 mm	ASTM D217	310-340
Drop point °C	DIN 51 801	None
FOUT		1.90
Evaporation loss, % - Weight loss 22 hr/65 °C	ASTM D972	0
Evaporation loss, % - Weight loss 22 hr/150 °C	ASTM D972	0
Evaporation loss, % - Weight loss 22 hr/200 °C	ASTM D972	1
Evaporation loss, % - Weight loss 22 hr/250 °C	ASTM D972	4
Oil separation, % - After 30 hr/66 °C	FTMS 791.321	0
Oil separation, % - After 30 hr/150 °C	FTMS 791.321	4
Oxidation stability @ 100 °C, bar	ASTM D942	0
Water resistance @ 90 °C	DIN 51 807	0
4-balls wear test, weld load, kg	IP 239	>700
Ionizing radiations, rads		5x108
Max speed factor (n x mm)		300000
Service temperatures, °C		-30 - 250
Peak temperatures, °C		300
Emcor corrosion test Distilled water, 164 h	DIN 51 802	0

All data on this technical data sheet is indicative only

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