

## — TECHNICAL DATA SHEET —

### ***IKV-TRIBOFLON MYA 242 FG*** ***corrugator grease***

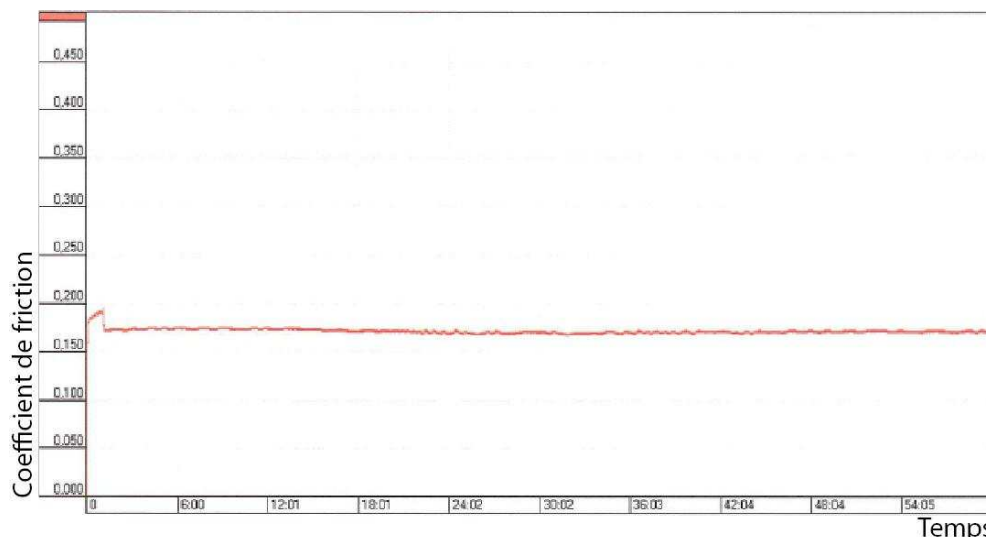
#### DESCRIPTION

**IKV-TRIBOFLON MYA 242 FG corrugator grease** is a non-flammable white grease developed from a perfluoroalkyl-polyether-type oil, a micronised PTFE as thickener and an anti-corrosion additive other than sodium nitrite. It is totally inert physically and chemically in the event of aggression by all kinds of liquid or gaseous products (except for fluorinated solvents) and thermal and ionising radiation.

**IKV-TRIBOFLON MYA 242 FG corrugator grease** have a specific additivation which gets it a resistance for loads and against the wear. The coefficient of friction produced by the use of this grease is described according to the test SRV as extremely low and stable guaranteeing a protection of the greased surfaces and longevity of the materials. Associated with a stability in the work, its low level of release participates in its thermal stability and in the preservation of its lubricating power.

**IKV-TRIBOFLON MYA 242 FG corrugator grease**, plastics and metals.

All the raw materials used in the manufacturing process appear in the positive list of the Food and Drugs Administration (FDA) and **IKV-TRIBOFLON MYA 242 FG corrugator grease** could be approved by NSF Class H-1.



#### TYPICAL APPLICATIONS

**IKV-TRIBOFLON MYA 242 FG corrugator grease** is adapted for the lubrication of corrugated card industries, corrugating roll bearing, pressure roll bearing, preheater roll bearing and preconditionner roll bearing.

**IKV-TRIBOFLON MYA 242 FG corrugator grease** is also suitable for the lubrication of all bearings, sliding bearings or joints subjected to extreme temperatures or to aggressive conditions capable of altering conventional lubricants. It is used principally for curing ovens in glass, textile, plastic film, paint, chemical and nuclear.

**IKV-TRIBOFLON MYA 242 FG corrugator grease** is equally adapted for the lubrication in thin films of sliding electrical contacts or as dielectric agents.

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#### TYPICAL PROPERTIES

CHARACTERISTICS	VALUES	UNITS	TESTS
<b>Properties of the base oil</b>			
Nature of oil	Perfluorinated		
Base oil viscosity at 20°C	822	cSt	ASTM D-445
Base oil viscosity at 40°C	243	cSt	ASTM D-445
Base oil viscosity at 100°C	25	cSt	ASTM D-445
Base oil viscosity at 204°C	4.1	cSt	ASTM D-445
Base oil viscosity at 260°C	2.4	cSt	ASTM D-445
Viscosity index	134		
Pour point	-36	°C	
Density at 0°C	1.95	g/mL	
Density at 100°C	1.77	g/mL	
Volatility (22 h at 121°C)	< 1	wt % loss	ASTM D-972
Volatility (22 h at 204°C)	< 3	wt % loss	ASTM D-972
4-Ball Wear Test (1h, 1200 rpm, 107°C, 20kg de charge)	0.3	mm	ASTM D4172
Coefficient of friction	0.08		ASTM D4172
<b>Properties of the grease</b>			
Thickener	PTFE		
Appearance	White / creamy		
NLGI grade	2		
Worked penetration	265 / 295	x 0.01 mm	ASTM D-217
Drop point	Without	°C	ASTM D-566
Useful temperature range	-36 to 260	°C	
Specific resistivity	$4 \times 10^{14}$	ohm x cm	ASTM D-257
EMCOR corrosion test	0	scale	DIN 51802
Copper corrosion	1b	scale	ASTM D-4048
Max speed factor	400 000	n x mm	
Stability / ionising radiation	$5 \times 10^8$	rads	
Volumic mass	1.99	g/cm <sup>3</sup>	
4-Ball Wear Test			
- Weld load	>700	kg	ASTM D-2783
- Diameter of wear (40 kg, 1h)	0.5	mm	ASTM D-2266
Release (30h, 204°C)	10.44	% weight	
Coefficient of friction after 30 min	0.170		SRV