

## ULTRAPLEX CSFG 46X (RANGE)

### FOOD GRADE CALCIUM SULPHONATE GREASES

#### DESCRIPTION

Greases made of high viscosity semi-synthetic base oil thickened with calcium sulphonate, giving excellent anticorrosive and extreme-pressure properties. **ULTRAPLEX CSFG 46X** are approved by NSF as H1 category for incidental food contact.

#### APPLICATIONS

**ULTRAPLEX CSFG 46X** are specially indicated for lubrication of plain bearings, roller bearings and other mechanical components under **heavy loads** working in **adverse environmental conditions** in the food, beverage, pharmaceutical and cosmetics industries.

Some application examples are the lubrication of pelleting machines for feed and other food products, filling machines, mixers, mills, etc.

#### PROPERTIES

- Outstanding load carrying capacity.
- Excellent protection against corrosion
- High mechanical stability even under severe operating conditions.
- Extraordinary adherence that assure protection of mechanisms under high loads and water presence.
- Working temperature from -20 up to +180°C with suitable relubrication interval.
- High resistance to aging.
- Suitable for lubricating bearings at low to medium speeds (speed factor up to 200,000).

#### QUALITY LEVEL

- ISO-L-XBFB 0/2
- **Category H1** – Halal Register



#### TECHNICAL CHARACTERISTICS

	Method	Typical values		Units
		460	462	
	<b>ULTRAPLEX CSFG</b>			
Appearance	-	Brown grease		-
Penetration at 25°C	ASTM D-217	365	275	mm x 10 <sup>-1</sup>
Penetration at 25°C after 10 <sup>4</sup> strokes	ASTM D-217	380	283	mm x 10 <sup>-1</sup>
NLGI Consistency	ISO 2137	0	2	-
Dropping point	ASTM D-566	>300	>300	°C
Base oil viscosity at 40°C	ASTM D-445	460	460	mm <sup>2</sup> /s
Wear scar, 4 balls	ASTM D-2266	0,40	0,40	mm
Welding load, 4 ball test	ASTM D-2596	400	400	Kg
Water spray off, grease lost	ASTM D 4049	19	11	%
Water washout	ASTM D 1264	-	2,6	%
Salt spray test	ASTM B-117	>1000	>1000	hours
Corrosion protection	ASTM D-1743	Pass	Pass	-
Nº NSF Register	-	in process	156612	-
Nº Halal Register	IH-682/2.4/B/76	in process	/4/11	-

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