

## ULTRAPLEX ALCA 00 / ULTRAPLEX ALCA 2

### TACKY GREASE FOR OPEN MECHANISMS

#### DESCRIPTION

Grease made of blend of synthetic and mineral base, aluminum complex soap, **EP** (Extreme Pressure) additives and solid lubricants (graphite and molybdenum disulphide).

#### APPLICATIONS

Specially indicated for manual and automatic lubrication of open mechanisms under **heavy loads** working in **adverse environmental conditions**, as for example:

- Wire ropes, open gears, sliding guides, bushings under high loads and water presence.
- Due to its special properties it gives high protection of the mechanisms in all type of industries: mining, earth movement, shipping and harbor, steel, cement, paper, food, etc.

#### PROPERTIES

- Extraordinary adherence and protection under high loads and water presence.
- High load carrying capacity to avoid component wear.
- Temperatures about 200 – 220°C in short periods and 150 – 160°C as working temperature.
- High penetration in the wire ropes assuring an extended service life.
- High resistance to aging.
- High protection to the corrosion of the metallic parts.
- Excellent resistance to water washing.
- **ULTRAPLEX ALCA 00** → suitable for spraying and centralized lubrication systems.

#### QUALITY LEVEL:

- ISO-L-XBGIB 00 / - ISO-L-XBGIB 2

#### TECHNICAL CHARACTERISTICS

	Method	Typical values		Un.
	<b>ULTRAPLEX ALCA</b>	<b>00</b>	<b>2</b>	-
Appearance		Bright grey grease		
Consistency NLGI	ISO 2137	00	2	-
Penetration at 25 °C	ASTM D-217	410	265	mm <sup>-1</sup>
Penetration at 25 °C after 10 <sup>4</sup> percussions	ASTM D-217	-	315	mm <sup>-1</sup>
Base oil viscosity at 40 °C	ASTM D 445	1100	1100	mm <sup>2</sup> /s
Base oil viscosity at 100 °C	ASTM D 445	58	58	mm <sup>2</sup> /s
Dropping point	ASTM D 566	n.d.	252	°C
4 ball wear test, 400N, 75°C, 1 h	ASTM D 2266	0,68	0,60	mm
Welding load, 4 ball test	ASTM D 2596	400	400	kg
Water resistance at 90 °C	DIN 51807/T1	1	1	-
Copper corrosion 24 h. at 100 °C	ASTM D 4048	1b	1b	-
Oil separation 40 °C (168 h)	IP 121	-	0	%
Oil separation 100 °C (30 h)	ASTM D 6184	-	1,41	%

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