

## ROTHEN CMT/SV

### Calcium Based Semi-Synthetic “Multigrade” Grease

#### DESCRIPTION

**ROTHEN CMT/SV** is a potent grease based on anhydrous calcium soap, a mixture of synthetic base fluids (polymeric and polyalphaolefin) and minerals. It has been designed to create a single product with extreme adhesiveness characteristics and an excellent performance at low temperatures. This feature guarantees an optimum lubricating performance at every temperature: the product remains soft and it is also easily pumpable at extremely low temperatures, retaining perfect adhesiveness. Furthermore, it does not drip from the lubricated kinematics at high temperatures.

**ROTHEN CMT / SV** is the perfect solution as it is a single product for its destined industry, and it is suitable to be employed in all environmental conditions. It contains EP additives (free of heavy metals) and a balanced package of antioxidant and anti-rust additives.

#### APPLICATIONS

**ROTHEN CMT / SV** is employed in the lubrication of several kinds of bearings (with an average speed factor, roughly  $<5 \times 10^3$ ), pins, bushings etc.. This product is generally suitable for all motion needs subjected to high loads in the presence of water and moisture, such as in the agricultural sector, especially when it is necessary to significantly extend lubrication periods.

#### TYPICAL PHYSICAL-CHEMICAL CHARACTERISTICS (\*)

Color:	Yellow fluorescent
Appearance:	Smooth, homogeneous, adhesive
Recommended temperature range:	MIN. = -25 ° C MAX. = +100 ° C

FEATURE	UNIT OF MEASURE	METHOD	OUTCOME
NLGI Classification		ASTM D 217	2
Dripping point	°C	ASTM D 566	145
Manipulated Penetration 60 c. at 25°C	1/10mm	ASTM D 217	270
Manipulated Penetration a 10.000 c. a 25°C	1/10mm	ASTM D 217	Δ +/- 15
Anti Corrosion Test		ASTM D 1743	passa
Water Resistance		DIN 51807	0-90
TIMKEN Test	Lbs	ASTM D 2509	40
WATER WASHOUT Test (1 h. -80°C)	%	ASTM D 1263	<3
Base Oil Viscosity at 40°C (ISO) (with incrementing polymer)	cSt	ASTM D 445	680

(\*): The values are based on typical production, and may consequently vary.