

# ROTHEN 1000/CU

## High-Performance Grease for Pneumatic Hydraulic Hammers

### DESCRIPTION

**ROTHEN 1000/CU** is grease based on aluminum complex soap and mineral oil lubricant, highly refined and viscous. **ROTHEN 1000/CU** contains EP additives (free of heavy metals) and a balanced package of antioxidant, anti-rust and anti-friction additives. The presence of a polymeric additive able to increase the viscosity and I.V. gives **ROTHEN 1000/CU** excellent adhesive properties, thus significantly increasing its resistance to continuous or intermittent washouts. The high charged percentage of solid lubricants (copper, graphite, molybdenum disulfide), all-grained feldspar, in combination with the thickener's complex nature, give this product outstanding EP properties even at very high temperatures through the residual dry film (up to 700 ° C approximately)

### APPLICATIONS

**ROTHEN 1000/CU** finds its specific use in the lubrication of hydraulic pneumatic hammers and heavy vehicles (excavators, steamrollers, etc.), as well as joints and gears operating under critical heavy loads, temperature, washout, impact and friction conditions.

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

Color:	Dark Auburn
Appearance:	Smooth, homogeneous, adhesive
Recommended temperature range:	MIN. = -10 ° C MAX. = +170 ° C (+700 ° C for the dry film)

FEATURE	UNIT OF MEASURE	METHOD	OUTCOME
NLGI Classification	---	ASTM D 217	2
Dripping point	°C	ASTM D 566	260
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	60
4 SPHERES Test – Welding load	Kg	ASTM D 2596	> 400
WATER WASHOUT Test (1 h.-80°C)	%	ASTM D 1263	< 2
Base Oil Viscosity at 40°C (ISO) (with incrementing polymer)	cSt	ASTM D 445	800 - 900

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