

## Additin® RC 2515 EP Additive

### Type

Thermally stable EP additive; light color, low odor, inactive sulfur carrier

### Technical data\*

Composition	sulfurized vegetable fatty oils and hydrocarbons, mineral oil free
Appearance	light brown, clear, medium viscosity liquid
Color (ASTM-D 1500)	typ. 4
Sulfur	approx. 15 % by weight
Active sulfur (ASTM-D 1662)	approx. 4 % by weight
Copper corrosion (ASTM-D 130) 7 % weight Additin RC 2515 in a paraffinic base oil, 3 h/100 °C	1a - 1b
Viscosity, 40 °C (ASTM-D 445)	approx. 640 cSt
Density, 20 °C (ASTM-D 941)	approx. 1.0 g/ml
Flash point, COC (ASTM-D 92)	approx. 160 °C
Pounds per U.S. Gallon @ 20°C	approx. 8.35

### Application

- greases
- slideway oils
- industrial gear oils
- metalworking fluids

Additin RC 2515 is a nearly odorless, light-colored sulfur carrier.

Due to its outstanding EP properties and low activity against non-ferrous metal Additin RC 2515 is ideally suited for formulating heavy metal-free EP greases and slideway oils with good anti-stick-slip behavior. In order to improve the overall performance of the EP grease or slideway oil formulation the addition of antioxidants such as Additin RC 7110 and/or Additin RC 7135 with anticorrosion additives, e.g. Additin RC 4220, is recommended. Additin RC 2515 is especially suited for use in metalforming operations of ferrous and non-ferrous metals and alloys containing yellow metals.



**Solubility**

Soluble in mineral oils and synthetic base oils. However, it is necessary to verify the solubility in the base oils used and the compatibility with other additives.



**Test results**

	Paraffinic base oil, ISO VG 15 base oil, no additives	+2% by weight RC 2515	+5% by w. RC 2515	+10% by w. RC 2515	+15% by w. RC 2515
Four-ball test (DIN 51350, part 2) welding load	60 - 70 kg	220 - 240 kg	320 - 340 kg	420 - 440 kg	460 - 480 kg
Four-ball test (DIN 51350, part 3) scar diameter 1h/300N	0.70 mm	0.50 mm	0.60 mm	0.65 mm	0.70 mm
Four-ball test (DIN 51350, part 3) scar diameter 1 Minute/1000N	welding	1.40 mm	0.68 mm	0.60 mm	
Load-carrying test according to Brugger load capacity	approx. < 20 N/mm <sup>2</sup>	approx. 30 N/mm <sup>2</sup>	approx. 35 N/mm <sup>2</sup>	approx. 90 N/mm <sup>2</sup>	approx. 100N/mm <sup>2</sup>
Falex Pin and Vee ASTM D-2670-88 load value		3500 lbs	3750 lbs	4000 lbs	4250 lbs

**Packing unit**

440 lb bung-hole drums

**Storage conditions**

In a dry place at room temperature approx. 12 months

**Handling**

Consult material safety data sheet (MSDS) for additional handling information for Additin RC 2515.

® = registered trade mark \* The analytical data are guide values. Additin RC 2515 is on EINECS and TSCA inventory.



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