

Additin® RC 2515

EP Additive

Type Thermally stable EP additive; light coloured, low odoured, inactive sulphur carrier.

Technical data*	Composition	sulphurized vegetable fatty oils and olefins, mineral oil-free
	Appearance	light brown, clear, medium viscosity liquid
	Colour (ASTM-D 1500)	typ. 4
	Sulphur	Sulphur approx. 15 % weight
	Active sulphur (ASTM-D 1662)	approx. 4 % 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 mm ² /s
	Density, 20 °C (ASTM-D 1298)	approx. 1.0 g/ml
	Flash point, COC (ASTM-D 92)	approx. 160 °C

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

Additin RC 2515 is a nearly odourless, light-coloured sulphur carrier. Due to its outstanding EP properties and low activity against nonferrous metal Additin RC 2515 is ideally suited for formulating heavy metal-free EP greases and slideway oils with good anti-stick-slip behaviour.

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 weight RC 2515	+10% by weight RC 2515	+15% by weight RC 2515
Four-ball test (DIN 51350, part 2) welding load	600 - 700 N	2200 - 2400 N	3200 - 3400 N	4200 - 4400 N	4600 - 4800 N
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 ²	approx. 30 N/mm ²	approx. 35 N/mm ²	approx. 90 N/mm ²	approx. 100N/mm ²
Falex Pin and Vee ASTM D-2670-88 load value		3500 lbs	3750 lbs	4000 lbs	4250 lbs

Packing unit 200 kg bunghole 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.

Version: 1/01. Nov 99

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liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.

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