

Additin® RC 2516

EP-Additive

Type

Thermally stable EP additive; light colored, low odored, inactive sulphur carrier with excellent solubility

Technical Data

Composition	sulfurized fatty oils and olefins, mineral oil-free
Appearance	light brown, clear, medium viscosity liquid
Color (ASTM-D 1500)	typ. 4
Sulfur	approx. 15 % weight
Active sulfur (ASTM-D 1662)	approx. 4 % weight
Copper corrosion (ASTM-D 130), 7 % weight Additin RC 2516 in a paraffinic base oil, 3 h/100 °C	1b
Viscosity, 40 °C (ASTM-D 445)	approx. 950 mm ² /s
Density, 20 °C (ASTM-D 941)	approx. 0.995 g/ml
Flash point, COC (ASTM-D 92)	approx. 160 °C

Application

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

Additin RC 2516 is a light-colored sulfur carrier with excellent solubility, even in highly refined base oils. Due to its outstanding EP properties and low activity against nonferrous metal Additin RC 2516 is ideally suited for formulating slideway oils with good anti-stick-slip behavior. The special chemical structure and the improved solubility make it possible to use Additin RC 2516 in highly refined base fluids, where conventional EP products are not soluble.

Additin RC 2516 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, Group II and Group III. 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 % b. w. RC 2516	+ 5 % b. w. RC 2516	+ 10 % b. w. RC 2516	+ 15 % b. w. RC 2516
Four-ball test (DIN 51350, part 2) welding load	600 - 700 N	2100 - 2200 N	2800 - 3000 N	3800 - 4000 N	4400 - 4600 N
Four-ball test (DIN 51350, part 3) scar diameter 1 h/300 N	0.70 mm	0.60 mm	0.70 mm	0.73 mm	0.82 mm
Four-ball test (DIN 51350, part 3) scar diameter 1 Minute/1000 N	welding	1.70 mm	0.48 mm	0.65 mm	0.50 mm

Packing Unit

200 kg 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 2516.

® = eingetragenes Warenzeichen

* Bei den Analysendaten handelt es sich um Rahmenrichtwerte.
Additin RC 2516 ist EINECS und TSCA gelistet.

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