

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 3a

Viscosity, 40 °C (ASTM-D 445) approx. 950 mm²/s

Density, 20 °C (ASTM-D 941) appox. 0.995 g/ml

Flash point, COC (ASTM-D 92) appox. 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.

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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 bunghole drums

Storage Conditions

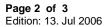
in a dry place at room temperature approx. 24 months

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.





Technical Data Sheet



Our technical advice - whether verbal, in writing or by way of trials - is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and, therefore, entirely your own responsibility. Should, in spite of this, 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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