

Rhenodiv® BO-505-2

Release agents

Function

Compound release agent in powder form for batch-off operations

Product description

Composition:	combination of inorganic fillers, synthetic fillers and surfactants
Appearance:	grayish powder
Bulk density [g/cm ³ @20°C]:	ca. 0.62
Ash content [%]:	approx. 70
pH, 20 °C (5 % in water):	approx. 9.8
Solubility:	dispersible in water
Physiological properties:	see safety data sheet

Use

Mode of action: Rhenodiv BO-505-2 is used as a batch-off (slab dip) release agent for rubber processing. It is a powder (100 % active ingredient). Rhenodiv BO-505-2 exhibits the following characteristics:

- easy to disperse in water
- compatible with water of different hardness
- excellent wetting of rubber sheets
- very good release effect
- fast drying
- low working concentration, low consumption
- low dust formation
- low build-up and contamination of equipment
- minimal foam formation
- minimal sedimentation

Rhenodiv BO-505-2 forms a thin, flexible film on the surface of the rubber sheets. The special inorganic fillers of optimized particle size distribution act as microscopic spacers between the sheets yielding a very good release effect. Still, there is sufficient friction to prevent the sheets from slipping during storage and to allow smooth, continuous feeding of the extruders. The film is non-dusty, built-up on equipment is minimized. Economic and efficient working is provided.

Processing: For best performance good dispersion of the powder in water is crucial. It is recommended to use a separate dispersion tank equipped with a paddle stirrer. The powder is added to the water that ideally has a temperature of ca. 50 °C. The slurry should be stirred for at least 30 min before use. Dispersion time in cold water should be extended as long as necessary. Optimal results are achieved by preparing a slurry of 10-12 % concentration in a first stage which will then be diluted to the actual work concentration. During the batch-off process only slight agitation is needed to prevent sedimentation. Usually the motion of the bath during the dipping process is sufficient.

Dosage: Depending on type of rubber compound, a work concentration of 1.5-3.0 % is recommended.

Application: Standard slab dip equipment

Packing

20 kg paper bag on 800 kg plastic palettes

Storage stability

In original closed packaging and under cool and dry conditions at min 24 months.

Handling

Please consult current material safety data sheet (MSDS) for additional handling information on Rhenodiv BO-505-2.

The indicated data are not to be considered as specifications.

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