

## Specialties

### Description

REDEX 16 is a complex mixture of calcium salts and fatty amides that is an effective process aid in rubber manufacturing, offering enhanced processability without affecting end properties.

The characteristics of REDEX 16 can improve blends by acting at different points:

- Increased plasticity in the crude blend.
- Decreased viscosity in the blend.
- Increased extrusion speed (output rate).
- Improved the finishing of the pieces, facilitating mould release.
- Improved dispersion and homogeneity in the rubber compounds.

### Applications

REDEX 16 improves flow properties in the blends by reducing friction between polymer chains (internal lubrication) and decreasing friction with metal parts (external lubrication), thus preventing heat loss and resulting in increased efficiency during extrusion.

REDEX 16 is especially suited for manufacturing rubber parts, tyres and technical rubber (profiles).

In the processing of natural rubbers (NR) or synthetic rubbers (SBR, NBR, CR and EPDM), it improves compound dispersion and decreases viscosity in the blend without affecting end properties.

It is ideal for injection, extrusion, calendering processes.

Suitable for systems with high silica-containing compounds.

The recommended dosage is 1 – 4 phr. Its addition in the internal mixer or the mill together with the fillers is recommended.

### Technical characteristics

	UNIT	METHOD	VALUE
Melting point	°C	ASTM D 127	100 typical
Ash at 850°C	% weight	ASTM D 482	3.0 max.
Acidity	mg KOH/g	Calculation	35 max.

### Available in

Pastilles in 25 kg bags.

Unless otherwise indicated, the figures cited in the technical characteristics should be considered typical

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