

## ULTRA-BLEND™ 4000

Mixture of dark aromatic hydrocarbon resins

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### Typical Properties

Appearance		Black pastilles
Specific Gravity		1.06
Ash Content	% , max	2
Softening point	°C	105
Physiological behaviour		Refer to Material Safety Data Sheet
Storage stability		At least 2 years under normal conditions

### Packaging

25 kg polyethylene bag

### Product Description

ULTRA-BLEND™ 4000 improves the homogeneity of polymer blends of different polarities or different viscosities.

ULTRA-BLEND™ 4000 is quickly absorbed by the polymer matrix by wetting out the surfaces which leads to a fast incorporation of other compound ingredients. It is best added at the beginning of the mixing cycle to achieve the optimum wetting effect.

ULTRA-BLEND™ 4000 increases green tack of rubber compounds by showing some synergistic effect with tackifying resins.

### Dosage

3 to 15 phr

The information and data contained in this data sheet are believed to be correct based on our best knowledge. Therefore, any information is given on condition that users shall make their own assessment of suitability of the product for a specific purpose. We accept no liability for any use or application unless explicitly stated by us. These data are not to be considered as specification.

## ULTRA-LUBE™ 220

High molecular weight, aliphatic fatty acid ester

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### Typical Properties

Appearance		Off white pastilles
Specific Gravity		0.95
Dropping Point	°C	58
Physiological behaviour		Refer to Material Safety Data Sheet
Storage stability		At least 2 years under normal conditions

### Packaging

25 kg polyethylene bag

### Product Description

**ULTRA-LUBE™ 220** is a processing additive to improve filler incorporation and release of most rubber compounds. Due to its low volatility, **ULTRA-LUBE™ 220** can be used in heat resistant vulcanisates, e.g. based on HNBR, ACM and FKM.

**ULTRA-LUBE™ 220** shows good plasticizing properties, which leads to reduction of injection pressure in moulding process and prevents scorch.

**ULTRA-LUBE™ 220** is highly effective in polar compounds, like NBR to improve flow and release.

**ULTRA-LUBE™ 220** is especially suitable for peroxide curing system owing to its low peroxide demand.

### Dosage

0.5 to 3 phr

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## ULTRA-LUBE™ 160

### Structure of fatty acid soaps and amides

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#### Typical Properties

Appearance		Beige pastilles
Specific Gravity		0.98
Dropping Point	°C	102
Physiological behaviour		Refer to Material Safety Data Sheet
Storage stability		At least 2 years under normal conditions

#### Packaging

25 kg polyethylene bag

#### Product Description

ULTRA-LUBE™ 160 is highly effective in improving flow properties of rubber compounds. This effect is based on a reduction of intermolecular friction and external friction against metal surfaces.

ULTRA-LUBE™ 160 is outstanding during the compounding stage and after vulcanization as a mould release. Besides, it is highly effective as an internal release agent in preventing rubber compounds sticking to open mill rolls as well as to rotors in internal mixers.

ULTRA-LUBE™ 160 has a stabilizing effect on the tendency of re-crystallization in CR compounds.

#### Dosage

1 to 5 phr

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