

## Additive INT-159/4

### Description:

Additive INT-159/4 is an internal release agent and lubricant for the rubber industry. The use of this product results in an excellent release effect, eliminating the need for external release agents almost completely. At the same time, mould fouling is reduced and an even, regular surface of the moulded parts is achieved. By adding Additive INT-159/4 into the rubber mixture, this will show an improved dispersion of the fillers and the agglomeration of fillers will be avoided. Better flow properties of the compound are obtained and the blooming of sulphur is reduced. Trials have shown, that Additive INT-159/4 does not impair the relevant technical values for the intended use of the produced parts. Additive INT-159/4 is delivered in pellet form and thus is easy to handle and dust-free.

### Application Fields:

Additive INT-159/4 is used for the release of natural and synthetic rubber. Due to its excellent compatibility with all common mixtures, Additive INT-159/4 can be used universally for all compounds except silicone rubber. Especially for rubber-metal-bonding its use can be recommended, as the material does not bloom on the surface and thus does not impair the bonding between rubber and metal.

### Application:

Additive INT-159/4 should be mixed direct into the rubber compound. It is absolutely necessary to make sure that it is mixed well, so the releasing effect will be the best. 1 phr process oil can be replaced by 0,5 phr of INT 159/4, the dosage should be between 1 phr and 1,5 phr. The best dosage must be worked out individually. We recommend to start with the smallest dosage and raise until the requested effect is reached. This Additive has its best effect at a temperature from 70°C to 200°C. If you would like to improve the dispensation of the fillers you should give one third of INT 159/4 with in your mixing process.

### Technical Data:

<b>Composition:</b>	mix of fatty acid derivatives and products of petrol chemistry
<b>Appearance:</b>	yellow pellets
<b>Density [g/cm<sup>3</sup>]:</b>	approx. 0.6
<b>Flashpoint [°C]:</b>	> 200

### Packaging:

Drum 120 kg

### Storage:

Additive INT-159/4 should be stored in tightly sealed containers and has to be protected from frost, heat and direct sunlight. If these rules are obeyed, the product can be stored for at least 12 months. The expiry date is stated beneath the production date on the labels of each container.

### Information for regulations on safety and transportation are provided in the safety data sheet

Product technical information and data is based on the best information available and does not constitute or imply a warranty or patent infringement of any kind. The user is responsible for testing product suitability prior to use in production.

### Further information:

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