

® MARKLUBE 361**Description**

Glycerol fatty acid ester

Clear, slightly yellowish, oily liquid

Specification

The specified values are given in the Product Specification.

Application

The careful choice and dosage of lubricants is particularly important to ensure satisfactory processing of rigid and plasticised PVC. Normally it is not possible to compensate for inadequate lubricant concentration by choosing higher stabiliser concentrations.

Internal lubricants, compatible with PVC, improve the flow properties of PVC melts; external lubricants, however, less compatible with PVC, prevent sticking of the compound to the hot metal parts of the machine.

The two types of lubricants have to be adapted to the specific processing conditions to ensure satisfactory production over a long period.

In rigid PVC the choice and concentration of both, internal and external lubricants has to be adapted to processing conditions.

In plasticised PVC formulations it is not absolutely necessary to add internal lubricants since the plasticiser confers satisfactory flow properties to the PVC melt; normally, however, provisions have to be made for an adequate concentration of suitable external lubricants.

MARKLUBE 361 has very good compatibility with PVC and therefore shows a pronounced internal lubricating action. Even at low concentrations it improves considerably the flow properties of rigid PVC melts and thus reduces the stress on the material during processing. Hence a markedly improved residual stability of finished articles is obtained.

MARKLUBE 361 is mainly used in the production of rigid PVC film.

The addition of MARKLUBE 361 also gives better flow properties of PVC melts in extrusion and injection moulding of rigid PVC compounds.

A comparative survey on the fields of application of the different MARKLUBE types is given in our product survey (Additives for PVC Processing).

Dosage

The recommended concentration for rigid PVC is 0.8 - 1,5 phr. It can cause haze in transparent PVC articles at concentrations above 3.0 - 5.0 phr, but this is normally of no practical significance.

Approval

MARKLUBE 361 is approved in many countries for use as an additive in the production of PVC packaging materials. For details please refer to our current positive list.

Packaging and Storage

MARKLUBE 361 is supplied in standard steel drums that are reusable and recyclable, and which satisfy UN regulations (contents 190 kg)

Storage temperature 15 to 30 °C recommended.

Keep containers dry and reseal tightly after use.