

DL 60 Technical Data Sheet

Product Characteristics

Donglin™ internal lubricant DL-60 developed by our company is actually a saturated fatty alcohol dibasic acid ester, it is white or slight yellow flake or free flow powder and it is nontoxic and odorless cannot be dissolved in water, but dissolves in tributyl phosphate (TBP) and chloroform. DL-60 has the excellent dispersion and transparency, it can be used to produce all kinds of PVC products especially for clear products and other PVC products with better glossy surface need as an internal lubricant.

Applications

DL-60A is recommended for all kinds of PVC applications especially for PVC clear products as an internal lubricant.

- Lubricants in PVC products

Recommended using dosage: 0.3-1.2kg per 100kg PVC resin

Specifications & Properties

➤ Appearance:	Slight yellow flake or powder
➤ Volatile content:	≤ 1.0 (90°C/96 hour)
➤ Iodine Value:	≤ 1.0 gI ₂ /100 g
➤ Acid Value:	≤ 10.0 mg KOH/g
➤ Viscosity:	10.0-16.0 mPa.s(80°C)
➤ Bulk density:	0.86-0.89 g/cm ³ (80°C)
➤ Melting point:	42.0-48.0 °C
➤ Flashing point(opening):	≥ 225.0 °C
➤ Refractive index (80°C):	1.453-1.463

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Properties

- Improve the melt flowability
- Without any effects on transparency
- Provide lubricating property without lowering melt-strength
- Promote fusion of PVC blend
- Endow the gloss surface to PVC finished products

Packing

In 20kg/bag or 25kg/bag, PP valve bag with PE liner

Product Storage

It should be stored in cool and dry surroundings, with shelf life of two years, it can be still used if qualified by inspection after shelf life.

Safety Precautions

DL-60A is a high-molecular weight polymer, there is not almost any damage, when it is released to the environment. When handling the materials, workers should obey the following safety operation procedures:

- Perfect ventilation conditions
- Safety glasses should be sufficient for most operations
- Wearing rubber gloves
- Flush skin thoroughly with clean water after handling and touching the materials
- If material dust contacts eyes, using clean water to wash eyes
- Before handling this material, read and understand the MSDS for additional information on personal protective equipment and for safety, health and environmental information.