

TECHNICAL DATA SHEET

Internal Lubricant Type: HG-60

Section 1: Product Description:

HG-60 developed by our company is actually a Multi-alcoholization fatty acid ester, it is white or slight yellow flakes or white powder and it is nontoxic and odourless, it can not be dissolved in water but dissolves in tributyl phosphate(TBP) and chloroform, HG-60 has the excellent dispersion and transparency, it can be used to produce all kinds of PVC products as an internal lubricant.

Section 2: Typical physical properties:

Item	Unit	Internal lubricant HG-60
Appearance	--	Slight yellow flake/White powder
Volatile content(90°C/ 96 hour)	%	≤1.0
Bulk density	g/cm ³ (80°C)	0.86-0.89
viscosity	mPa/s (80°C)	10.0-16.0
Acid value	MgKOH/g	3.5± 1.5
Iodine value	g ₁₂ /100g	0.70± 0.30
Melting point	°C	57± 3.0
Flashing point(opening)	°C	≥225.0
Refractive index	80°C	1.453-1.463

Section 3: Product benefits

1. Without any effects on the fusion time.
2. Improve the melt flowability
3. Without any effects on transparency
4. Provide lubricating property without lowering melt-strength.



Section 4: Packing and storage:

25kg/bag with PP valve bag and PE inner bag.

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

Section 5: Applications:

HG-60 is recommended for all kind of PVC applications such as PVC window profile ,PVC door PVC fencing, PVC clear film, PVC clear sheet, PVC bottle, PVC foam board etc as an internal lubricant.

Recommended using dosage:0.4-0.8kg per 100kg PVC resin