



- Unique Processing Aid
- Lubricating Processing Aid
- General Processing Aid
- Transparent Processing Aid
- SAN Processing Aid
- MBS Impact Modifier
- CPE (Chlorinated Polyethyle
- CGA series Impact Modifier
- Acrylic Impact Modifier
- For Thin PVC Foaming Sheet
- More

Products

Internal lubricant

DONGLINTM internal lubricant DL-60

Product Descriptions:

Donglin™ DL-60 developed by our company is actually a polyols phthalic acid ester,it is white or slight yellow flakes and it is nontoxic and odourless,it can not 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 as an internal lubricant.

Typical physical properties:

Item	Unit	Internal lubricant DL-60
Appearance	--	Slight yellow flake
Volatile content(90℃ / 96 hour)	%	≤ 1.0
Bulk density	g/cm3(80℃)	0.86-0.89
viscosity	mPa/s (80℃)	10.0-16.0
Acid value	MgKOH/g	≤ 10.0
Iodine value	g12/100g	≤ 1.0
Melting point	℃	46.0-51.0
Flashing point(opening)	℃	≥ 225.0
Refractive index	80℃	1.453-1.463
Remarks		

Product's advantages:

- 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.

■ 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.

■ Applications:

DL-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.

■ Recommended extrusion formulation for PVC foaming sheet:

Ingredients	Thickness of foaming sheet(≥ 8mm)	Thickness of foaming sheet (≤ 8mm)
PVC resin(K-57)	100KG	100KG
Lead Stabilizer(Mini 35%)	4.0-4.5KG	4.0-4.5KG
Caco3(PCC)	40KG	30KG
PE Wax(Mini110°C)	0.6KG	0.5KG
OPE Wax 316A	0.4KG	0.4KG
Lubricant DL-60	0.8KG	0.7KG
PVC foaming regulator DL-100	9-10KG	9-10KG
Lubricating processing aid DL-101	2.0KG	2.0KG
AC blowing agent	0.6KG	0.6KG
Nahco3 blowing agent	1.0KG	-----
Tio2	3.0KG	3.0KG
Optical brightening agent	0.003-0.004KG	0.03KG-0.04KG
Density of foam sheet	0.45g/cm3	0.45g/cm3
Remarks:	DL-100 is our unique PVC foaming regulator which has very higher molecular weight, compared with DL-530, it can largely increase the PVC melt strength, DL-100 is used to produce thick PVC foam board.	