



DONGLIN™ Acrylic Processing Aid DL-698

■Product Description:

DONGLIN™ DL-698 developed by our company is actually an unique processing aid and has all characteristics of acrylic processing aid. the only difference between them is that DL-698 has the super high molecular weight and viscosity, it can efficiently increase the melt strength of PVC compound,so that PVC foaming product modified by DL-698 has much more uniform cell structure as well as excellent surface glossiness.DL-698 is mainly recommended to produce the thick PVC foaming board whose thickness is beyond 10mm,which has the lower foam density needs and Hi-luster surface needs.

Compared with DL-638 and DL-688,DL-698 has the more higher molecular weight and viscosity and better melt-flowability,but its fusion time is slower than that of DL-638.

■typical physical properties:

| Item | Unit | Acrylic processing aid DL-698 |
|-----------------------|-------------------|-------------------------------|
| Appearance | -- | White powder |
| Volatile content | % | ≤ 1.5 |
| Bulk density | g/cm ³ | 0.45±0.05 |
| Sieve residue(30mesh) | % | ≤ 2.0 |
| Remarks | | |

■products advantages:

- 1.less using dosage and higher efficiency.
2. super-high molecular weight and viscosity
- 3.excellent melt flowability
- 4.endow PVC products with excellent surface glossiness



5.endow PVC foaming products with much lower density.

■packaging and storage:

25kg/bag with PP valve bag and PE inner bag or 550kg/sack.

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-698 is recommended for all kinds of PVC products.such as PVC pipe,PVC pipe fitting,PVC profile and PVC foam application,especially for thick PVC foam sheet and WPC whose thickness is beyond 12mm.

■Environmental and safety informations:

1.DL-698 is a high-molecular weight polymer,there is not almost any damage,when it is released to the environment.

2.when handling the material,workers should obey the following safety operation procedures:

A. perfect ventilation conditions

B.safety glasses should be sufficient for most operations

C.Wearing rubber gloves

D.flush affected skin area thoroughly with water after handling and.touching the materials

E.if materials dust contacts eyes,using clean water to wash eyes, Consult oculist if needed.

F.before handling this materials,read and understand the MSDS for additional information on personal protective equipment and for safety,health and environmental information.

■for order information contact:



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■ **Technical specifications:**

| Items | Unit | PVC foaming regulators(types) | | | | | | |
|------------------------|-------|-------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | DL-530 | DL-869 | DL-628 | DL-638 | DL-668 | DL-688 | DL-698 |
| Appearance | - | White powder | White powder | White powder | White powder | White powder | White powder | White powder |
| Sieve residue (30mesh) | % ≤ | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| Volatile content | % ≤ | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Bulk density | g/cm3 | 0.40±0.05 | 0.40±0.05 | 0.45±0.05 | 0.45±0.05 | 0.45±0.05 | 0.45±0.05 | 0.45±0.05 |
| Intrinsic Viscosity | η | 11.0-13.0 | 10.5-11.5 | 10.0-11.0 | 11.0-12.0 | 11.0-12.0 | 12.0-13.0 | 12.5-13.5 |

Remarks: If customers have special requirements with regard to the above data or need additional test items, Please notify us and we will manage to meet your requirements.

■ **Performance comparison list for different PVC foaming regulators:**

| PVC foaming regulators(types) | | | | | |
|-------------------------------|---------------|--------|-------------|--------|------------------|
| Type | Melt Strength | Type | Fusion Time | Type | Molecular weight |
| DL-698 | High | DL-698 | Fast | DL-698 | High |
| DL-688 | ↔ | DL-688 | ↔ | DL-688 | ↔ |
| DL-638 | | DL-638 | | DL-638 | |
| DL-628 | | DL-628 | | DL-628 | |
| DL-530 | | DL-530 | | DL-530 | |
| DL-869 | Low | DL-869 | Slow | DL-869 | Low |

■ **Applications:**

PVC foaming regulators are used to produce PVC foaming sheet, foaming WPC etc

Recommend using dosage: 7-15kg per 100kg PVC resin.