

# ACRYLIC PROCESSING AID LP-40

## Introduction

LP-40 modifier is a processing aid based on a high molecular weight acrylic copolymer. LP-40 modifier is the industry standard for rigid PVC, efficiently improving the quality and processability.

## Performance

- 1) Promote gelation of PVC, improve hot-melt strength and viscoelasticity, stabilize the microcells generated by blowing agents to achieve the low density and high strength of the foam. Increase the surface quality of PVC products.
- 2) Better dispersion of additives into PVC, more homogenous melt of PVC, etc. LP-40 has been used in weatherable applications and is widely used in PVC building products.

## Application

LP-40 is mainly used in PVC profiles, pipes, foam profiles, foam sheets, etc. Addition levels for this rigid PVC is 1-2 phr(PVC 100 phr), for foam products, it is 6-8phr.

## Physicochemical Properties

LP-40 is White free-flowing powder, bulk density:0.40-0.55g/cm<sup>3</sup>, can not be dissolved in water, ethanol, can be dissolved in chloroform and methyl ethyl ketone.

## Quality Criteria

Index/Product Name	LP-40
Appearance	White fluid powder
Granularity (throughput efficiency of 40 mesh) (%)	≥98
Volatile (%)	≤1.0
Viscosity (η) (Ubbelohde Viscometer)	6.0-8.5

## **Storage, Packing & Transportation**

Packaged in air proof plastic bag, then in woven bags with quality certificate, the outside of bags is marked with brand, company name, net weight of products, lot identification mark. Avoid insulation, drench.

Stored in a cool and draughty place, shelf life: 2 years.