



RUIFENGPOLY™ LP-40

Acrylic Processing Aid

Product Description

LP-40 is a processing aid based on a high molecular weight acrylic copolymer, the industry standard for foamed PVC, efficiently improving the quality and processability of cellular PVC products by reducing foam density and increasing impact strength, surface quality, and uniformity. LP-40 foam modifier promotes a wide processing window, providing the flexibility to limit the number of processing aids for various applications.

Physicochemical Properties

LP-40 is White free-flowing powder, bulk density: 0.40-0.55g/cm³, can not be dissolved in water, ethanol, can be dissolved in chloroform and methyl ethyl ketone.

Index/Product Name	LP-40
Appearance	White free-flowing powder
Particle size 40 mesh(%)	≥ 99
volatiles(%)	≤ 1.0
Viscosity (η) (Ubbelohde Viscometer)	6.5-8.5

Product Benefits and Application

- ◆ 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.
- ◆ 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.
- ◆ LP-40 is mainly used in PVC profiles, foam pipes, foam profiles, foam sheets, wood-plastic composites, etc. Addition levels for this application is 5-8 phr(PVC 100 phr).

Material Safety Data Sheets

MSDS are available outlining hazards and safe handling methods. consult Ruifeng for MSDS of LP-40 before handling for additional information concerning personal protective equipment, Safety, Health and Environmental.

Storage, Packing & Transportation

LP-40 Packed in 25kg woven bag or 500kg bulk bag. Avoid insolation, drench. Stored in cool and draughty place, shelf life: one year.

Countertypes

K-400 PA-40 PA-930