



RUIFENGPOLY™ LP-92 Acrylic Processing Aid

Product Description

LP-92 is a new ultra high molecular weight acrylic processing aid for rigid PVC and high quality foam applications. Its give the following performance properties-Low torque, faster fusion, high melt strength and expansion.

Physicochemical Properties

LP-92 is White free-flowing powder, bulk density:0.40-0.55g/cm³, can not be dissolved in water and ethanol, can be dissolved in chloroform and methyl ethyl ketone.

Index/Product Name	LP-92
Appearance	White free flowing powder
Particle size 40 mesh (%)	≥ 98
Percent volatiles(%)	≤ 1.0
Viscosity (η)(Ubbelohde Viscometer)	11.5-13

Product Benefits and Application

- ◆ LP-92 is effective in controlling uniform foam cell structure and foam density control, improve processing window and enhance impact through faster fusion control for wide rigid PVC applications. Melt elasticity, melt strength and sizing can be improved through the use of LP-92.
- ◆ Its ultra high foaming efficiency enables converters to meet the most demanding requirements in foam core pipes and foam profile formulations using lower addition levels,suggested starting point is 75% of competitive product's level.
- ◆ LP-92 used in PVC foam core Pipe, PVC decking, PVC profiles and PVC foam board, wood-plastic composites and other foamed products. Addition levels for foamed products is 4-6 phr(PVC 100 phr).

Formulation Suggestions:

Due to LP-92 so high behavior,the compound will not only reduce acrylic polymer's dosage (suggested starting point is 75% of competitive product's level) but also act over lubricated and external lube will need reduced by 15-25%,but require an increase of the internal lubricant (often Calcium Stearate) because of the enhanced melt stiffness.The addition of Calcium carbonate perform in the dispersion of the ultra-high molecular weight acrylic processing aids LP-92,and due to LP-92 enhanced stiffness permits higher CaCO₃ while still keep a very fine closed cell structure at higher levels.

Material Safety Data Sheets

MSDS are available outlining hazards and safe handling methods. consult Ruifeng for MSDS of LP-92 before handling for additional information concerning personal protective equipment, Safety, Health and Environmental.

Storage, Packing & Transportation

LP-92 Packed in 25kg woven bag or 500kg bulk bag.Avoid insolation, drench.Stored in cool and draughty place, shelf life: one year.