

Processing Aid LP-90

PRODUCT DESCRIPTION

RUIFENGPOLY®LP-90 is a UHMW (Ultra High Molecular Weight) acrylic processing aid specially designed for superior quality PVC foam and WPC applications.

APPLICATIONS

- PVC foam core pipes
- PVC foam profiles
- PVC foam reinforced composites
- Wood plastics composites

BENEFITS

- Higher Melt strength
- Higher Melt elasticity
- Lower Density
- Lower Cost

TYPICAL SPECIFICATIONS

Appearance White, free flowing powder

Density 0.40-0.55 g/cc

Specific gravity >1.10

Particle size <=2.0% Max on 40 mesh

Volatiles <=1.2% Max

Molecular Weight >5million

PROCESSING

Torque Rheometer Data

Test	LP-90
Fusion Time (min)	6'35
Fusion Torque (Nm)	7.6
Equilibrium Torque (Nm)	24.8

When compared to conventional processing aids, **RUIFENGPOLY®LP-90** has slightly longer fusion time. This may represent lower extrusion torque during the actual extrusion. This characteristic could allow higher screw speed for wider and thicker foam profiles or sheets, without exceeding extruder's torque limits.

DENSITY

	LP-90(PHR)		
	6	8	10
Density (<10mm Foaming sheet) g/cm ³	0.47	0.43	0.40
Density (>10mm Foaming sheet) g/cm ³	0.52	0.47	0.43

STORAGE & HANDLING

RUIFENGPOLY®LP-90 should be kept away from flames or other sources of heat. They should be stored in cool and ventilated area. Adequate precautions should be taken to keep all dust levels below values that are hazardous to health and safety. In case of eye or skin contacts, eyes should be flushed immediately with fresh water to remove dust particles and affected skin areas should be washed with soap and water.

SAFETY INFORMATION

Before handling and working with the **RUIFENGPOLY®LP-90**, all personnel must read and understand the **MSDS** and follow personal protective guidelines for safety, health and environmental compliances.