

Acrylic Processing Aids LP -21 LP-23

Product Description

LP-21 LP-23 are general purpose processing aid based on medium-high molecular weight. These are acrylic copolymer that improve the processability and the performances of rigid PVC formulations . LP-21 LP-23 are also extremely cost-effective, requiring only very low addition levels for high-quality results.

Applications

- ◆PVC profiles, sheets, pipes, fittings
- ◆PVC sidings, panels, fences

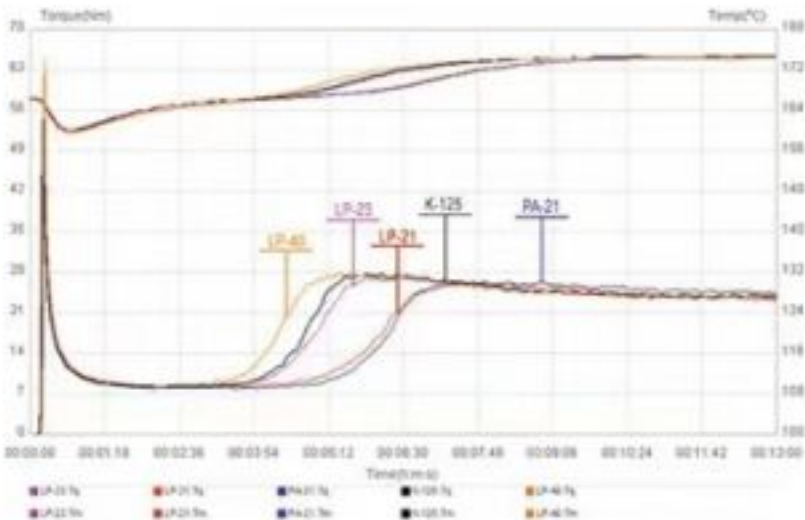
Benefits

- ◆Wide processing window, higher processing efficiency
- ◆Faster fusion and high melt elasticity and strength
- ◆Surface smoothness and gloss . Easy metal release

Typical Specifications

	LP-21	LP-23
Appearance	White, free flowing powder	
Powder Density (g/cc)	>0.40	
Particle size (on 40 mesh) (%Max)	≤2.0	
Volatiles (%Max)	≤1.5	
Viscosity (η)(Ubbelohde Viscometer)	4.5-5.0	4.8-5.3

Rheological Property



Sample	Mass	Temp1	Temp2	Temp3	Temp Sample	Speed
LP-23	0.0 g	165.0 °C	165.0 °C	165.7 °C	166.3 °C	41.7 rpm
LP-21	0.0 g	165.0 °C	164.8 °C	165.0 °C	166.1 °C	41.7 rpm
PA-21	0.0 g	165.0 °C	165.1 °C	165.6 °C	166.5 °C	41.7 rpm
K-125	0.0 g	164.9 °C	165.1 °C	165.5 °C	166.5 °C	42.0 rpm
LP-40	0.0 g	164.9 °C	165.0 °C	165.6 °C	166.3 °C	42.0 rpm

Sample	Loading Peak A	Minimum B	Maximum X	End E	Fusion Time(A-X)	Generation Speed
LP-23	58.8 Nm	8.1 Nm	27.1 Nm	24.3 Nm	00:06:36	17.6 Newton
LP-21	61.2 Nm	8.1 Nm	26.2 Nm	22.9 Nm	00:07:23	18.9 Newton
PA-21	62.0 Nm	8.0 Nm	26.5 Nm	24.2 Nm	00:07:29	20.4 Newton
K-125	57.4 Nm	6.2 Nm	27.6 Nm	23.8 Nm	00:05:36	21.4 Newton
LP-40	64.8 Nm	6.3 Nm	27.7 Nm	23.4 Nm	00:05:08	21.2 Newton

Performance and Dosage

	Properties					Recommended dosage(phr)			
	Transparency	Promote fusion	Melt strength	Rheological Property	Dispersivity	Sheets	Profiles	Pipes	Fittings
LP-21	**	**	***	****	****	1.0-1.5	1.0-1.5	1.0-1.8	1.0-1.8
LP-23	**	***	***	****	****	1.0-1.5	1.0-1.5	1.0-1.8	1.0-1.8

Standard Packaging

25kg or 20kg bags and 250kg or 500kg jumbo bags.

Storage & Handling

LP-21 LP-23 should be kept away from flames and other sources of heat. The Product 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.