

AKRELON[®] PA 120 / General Purpose Processing Aid

DESCRIPTION

AKRELON PA 120 is a high-performance acrylic processing aid which imparts excellent melt homogeneity, filler dispersion and fusion properties to applications which contain low or high dosages of filler. With its molecular weight optimized for a wide range of filler content, it enhances the dispersion of filler and other additives, resulting in better impact strength properties.

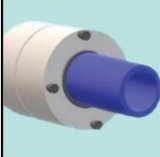
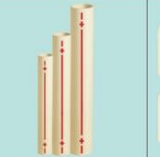
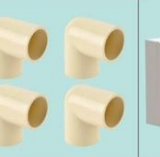
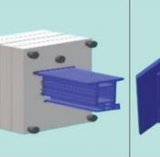
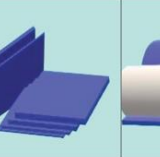
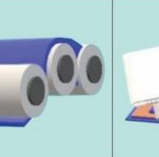
Imparting excellent compatibility in PVC and faster fusion, **AKRELON PA 120** improves melt strength and surface gloss significantly, which ensures required dimensional stability and surface properties in the processes of PVC applications.

Thanks to its optimized and balanced chemistry, **AKRELON PA 120** can be used in a variety of opaque applications, from low filler applications like fittings and window profiles to high filler applications like wall panels and pipes.

PHYSICAL PROPERTIES

Chemical Description	Acrylic copolymer
Physical Form	White free-flowing powder
Bulk Density (g/cm³)	0.43 – 0.53
Volatile Content (wt.%)	1 ± 0.2%
Sieve Analysis	20 mesh/850 µm (on %) ~nil
	325 mesh/45 µm (pass%) - 1.31%
	450 mesh/32 µm (pass %) - 0.52%
Molecular Weight	Medium molecular weight (IV 3.5 – 4.0)
Packaging	20 kg PE bag
Shelf Life	3 years from date of manufacturing

APPLICATION CHART

								
UPVC Pipes & One pack	UPVC Fittings & One pack	CPVC Pipes & Super pack	CPVC Fittings & Super pack	Window Profiles	Rigid PVC Sheet/ Laminates / Marble /Liner	Transparent Rigid Sheet	WPC, SPC and Panels	PVC Edge Band
+++	+++	+++	+++	+++	+++	N/A	+++	+++

+++	Strongly Recommended
++	Recommended
N/A	Not Applicable

PERFORMANCE

1. RHEOLOGY COMPARISON

	AKRELON PA 120	Competitor A	Competitor B	Competitor C
Fusion Time (s)	61	67	83	65
Fusion Torque (Nm)	25.4	26.8	27.6	26.2

Faster fusion accompanied by lower processing torque which imparts optimum mechanical properties, surface finish and ease of processing at the same time.