

AKRELON[®] PA 220 / General Purpose Acrylic Processing Aid

DESCRIPTION

AKRELON PA 220 is the best in class, highly versatile, most efficient general purpose processing aid that can address almost the entire range (transparent or opaque) of vinyl processors - from films to calendering and building products.

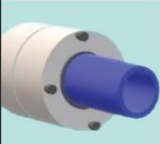
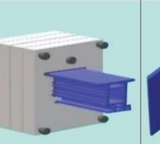
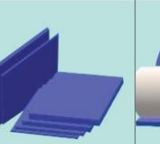
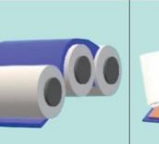
Its monomer composition is unique and its molecular weight (IV 2.2 - 2.8) is optimized for use as a single component acrylic processing aid to serve all segments of stabilizers and product geometry — be it transparent or opaque. It has excellent compatibility in PVC and faster fusion, improving as a result melt strength and surface gloss significantly.

Thanks to its improving effect on melt homogeneity, filler dispersion and impact strength properties are enhanced as well. With higher melt strength imparted by **AKRELON PA 220**, better dimensional stability and higher output are obtained.

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%) – 0.75%
	450 mesh/32 µm (pass %) - 0.16%
Molecular Weight	Low molecular weight (IV 2.2 - 2.8)
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
+++	+++	+++	+++	+++	+++	+++	++	+++

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

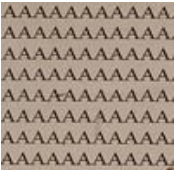
PERFORMANCE

1. RHEOLOGY COMPARISON

	AKRELON PA 220	Competitor A	Competitor B	Competitor C
Fusion Time (s)	63	67	83	65
Fusion Torque (Nm)	26.4	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.

2. TRANSPARENCY COMPARISON

	Akrelon PA 220	Competitor A	Competitor B	Competitor C
				
Yellowness of sheet on white paper (b value)	-2.7	- 2.0	- 2.1	-1.5

Color values of the transparent sheets are measured on white paper. The lower the b value, the higher the transparency. **AKRELON PA 220** shows superior transparency compared to the competitors.