

WIN-PA PA, Processing Aid

WIN-PA, processing aid, is core-shell structure and composed of acrylic system. It is classified external lubricant, general gelation type and highly efficient forming type. WIN-PA is suitable for several kinds of PVC process and products and some products are applied for engineering plastic. It can be used by itself or with other additives. Among the processing aids, P-901 is high molecular weight polymers developed by using advanced polymerization technology and drying techniques. It can improve PVC gelation, fusion fluidity and processing performance and is broadly used in PVC foam products.

Item	P-20	P-551	P-90	P-901	
Product Character	For transparent PVC products Fast fusion, clarity		Excellent melt flow, ultra-high melt strength	Fast fusion	
Applications	Film, sheet, profile, fitting		Foam, wood-plastic composite	Foam pipe Foam sheet	
Recommended Dosage (phr)	0.8-1.0 (Sheets, film) 1.0-1.2 (Profiles, pipes) 1.5-2 (Sheets, WPC)	1.0-1.2 (Sheets, film) 1.2-1.5 (Profiles, pipes) 1.5-2 (Sheets, WPC) 1.2-1.5 (Flexible film)	0.6-0.8 (Profiles, pipes) 9-11 (Foam sheets) 5-6 (Foam pipes)	5-8 (pipe) 7-10 (sheet)	
Appearance	White free flowing powder			White fluid powder	
Viscosity(η) (Ubbelohde Viscometer)	2.5-3.2	2.0-3.0	11.0-13.0	Intrinsic viscosity (η) _{25°C}	10-13
				Density (g/cm ³)	0.3-0.5
Volatilization Content(%)	≤ 1.0%		≤ 1.0%	≤ 1.5%	
Granularity (40 mesh passing percentage> (%))	≥ 98 %		≥ 98 %	≥ 98 %	
Competing Product	Kaneka PA-20/210	Arkema P-551	-	-	

Storage, Packing and Transportation

- Avoid insolation and drench.
- Stored in cool and draughty place, shelf life: one year.