

Arvand Petrochemical Company

S-PVC

Suspension- Poly Vinyl Chloride

PROPERTIES									test method	test method
	A	B	C	D	E	F	G	H	DIN	ISO
	5-5831	5-6031	5-6532	5-6732	5-6542	5-7042	5-7242	5-8040		
K-Value	58±1	60±1	65±1	67±1	65±1	70±1	72±1	80±1		1628-2
Viscosity number(ml/g)	79.86	84.92	101.109	108.117	101.109	120.129	127.137	163.175	60	1682-2
Bulk density (g/l)	540-600	520-580	550-610	550-610	460-520	450-510	430-490	420-480		60
Sieve analysis										
> 63 µm (%)	95-100	95-100	95-100	95-100	95-100	95-100	95-100	95-100		4610
> 250 µm (%)	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1		4610
Retained on 0.4 mm sieve (%)	<1	<1	<1	<1	<1	<1	<1	<1		4610
Porosity (plasticiser absorption)	14-20	16-22	19-25	18-24	24-30	29-35	30-35	30-35		4608
Volatile matter (%)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3		1269
Flowability (S/150 g) (10 mm nozzle)	≤ 25	≤ 25	≤ 25	≤ 25	≤ 35	≤ 35	≤ 35	≤ 35		6186
Residual VCM(ppm)	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1	53743	6401
Dark resin particles	≤ 20	≤ 20	≤ 20	≤ 20	≤ 20	≤ 20	≤ 10	≤ 10	vinnohit F5	in powder
Fish eyes	≤ 5	≤ 5	≤ 20	≤ 20	≤ 2	≤ 2	≤ 2	≤ 2	vinnohit H1	feltest per 25cm2 3451-1
Sulfate ash (wt%)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		

APPLICATION

Grade A	rigid film, bottles, fitting, injection molded parts
Grade B	rigid & semi rigid profile and sheets
Grade C/D	rigid & semi rigid and plasticized PVC, pipe, profiles, tubes, sheet, film
Grade E	rigid & semi rigid and plasticized PVC, film, flexible articles
Grade G	plasticized film and profile, cable insulation, injection moulded parts, shoe soles
Grade F	plasticized film and profile, injection moulded parts, medical tubes, medical gloves
Grade H	plasticized film and profile, sealing, blood bag and medical tubes



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