PVC Suspension _ Rigid Application

Parameter	Test method	Grades			
Grade	ISO	S5831	S6031	S6532	S6732
K- Value	1628-2	57-59	59-61	64-66	66-68
Viscosity number (ml/g)	1628-2	79-86	84-92	101-109	108-117
Bulk density(g/l)	60	540-600	520-580	550-610	550-610
Grain size(% > 63 µm)	4610	95-100	95-100	95-100	95-100
Grain size(% >250µm)	4610	0-1	0-1	0-1	0-1
Porosity (% wt)	4608	14-20	16-22	19-25	18-24
Volatiles Matter (% wt)	1269	< 0.3	< 0.3	< 0.3	< 0.3
Flowability (s/150g)	6186	≤ 25	≤ 25	≤ 25	≤ 25
Residual VCM (ppm)	6401	≤ 1	≤ 1	≤ 1	≤ 1
Dark resin (Con./250g)	Vinnolit F5	≤ 20	≤ 20	≤ 20	≤ 20
Fish eyes(Counts/25cm^2)	Vinnolit H1	≤ 5	≤ 5	≤ 20	≤ 20

Application for product grades

Grade	Application
S5831	Rigid Films, Bottles, Fittings and Injection Molded Parts
S6031	Rigid and Semi-Rigid Profiles and Sheets
S6532	Rigid and Semi-Rigid and Plasticized PVC; Pipes, Profiles, Tubes, Sheets and Film
S6732	Rigid and Semi-Rigid and Plasticized PVC; Pipes, Profiles, Tubes, Sheets and Film

CamScanner

S-PVC (Suspension- Poly Vinil Chloride)

PROPERTIES	GRADE								test method	
	A	B	C	D	E	F	G	H	DIN	ISO
	S-5831	S-6031	S-6532	S-6732	S-6542	S-7042	S-7242	S-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		1682-2
Bulk density (g/l)	540-600	520-580	550-610	550-610	460-520	450-510	430-490	420-480	60	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	vinnolit F5	in powder
Fish eyes	≤ 5	≤ 5	≤ 20	≤ 20	≤2	≤ 2	≤2	≤2	vinnolit H1	felttest per 25 cm2
Sulfate ash (wt%)	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		3451-1

Applications

Grade A	rigid film,bottles,fitting,injection moulded parts
GradeB	rigid & semi rigidprofile 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

CamScanner