

S-PVC (Suspension- Poly Vinyl 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 cm ²
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
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