

# Medical Grade

Our PVC medical grade resins are produced by suspension polymerization process, white powder and free-flowing resins, compounded with other additives by standard mixing techniques and suitable for medical purpose product used.



Property	Test Method	Unit	SM58E	SM61E	SM66E	SM71E	SM76E	SM84E
K-Value	DIN 53726	-	57.0-59.0	60.0-62.0	65.0-67.0	70.0-72.0	75.0-77.0	83.0-85.0
Apparent Bulk density	ISO-60	g/ml	0.50-0.60	0.50-0.60	0.48-0.54	0.44-0.50	0.45-0.52	0.4-0.52
Volatile Matter	ISO-1269	%	0.3 max	0.3 max	0.3 max	0.3 max	0.3 max	0.3 max
Sieve Analysis								
Retained on 250 micron	ASTM D - 1921	%	2.0 max	2.0 max	2.0 max	2.0 max	2.0 max	2.0 max
Retained on 75 micron	ASTM D - 1921	%	90.0 min	90.0 min	90.0 min	90.0 min	90.0 min	90.0 min
Impurity and Foreign Matter	ISO/R-1265	Specks/100sq.	20 max	20 max	20 max	20 max	20 max	20 max
Residual VCM	ASTM D 3749	ppm	1.0 max	1.0 max	1.0 max	1.0 max	1.0 max	1.0 max
Fish eye	TPC Method	Point/150 cm2	10 max	10 max	10 max	10 max	10 max	10 max
Elution Test	TPC Method	-	Passed	Passed	Passed	Passed	Passed	Passed

Process	Product Application	SM58E	SM61E	SM66E	SM71E	SM76E	SM84E
Calendering	Medical rigid & semi rigid sheet	☞	☞	☞			
	Medical flexible film & sheet			☞	☞	☞	☞
Extrusion	Medical flexible devices			☞	☞	☞	☞
	Nasal tube, Blood tube, Blood bag			☞	☞	☞	☞
	Main tube Pump tube					☞	☞
Injection	Medical molded devices (Connector, Wing, Cap, Chamber, etc.)	☞	☞	☞	☞		

