FILM GRADE

SOFT PVC COMPOUND FOR MEDICAL TRANSFUSION APPLICATION

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Description

The product film grade soft PVC compound for transfusion application uses medical-use PVC as main raw material, incorporated with moderate amount of plasticizer, non-toxic stabilizer and other non-toxic additives. The production procedure includes mixing raw materials, plasticizing, extruding, and granulating. The final product is transparent compound with Φ3mm x 4mm.

Features

1. Comply with the standard of GB15593—1995 and company technical standard.
2. Suitable for production of medical transfusion applications, such as conventional soft film, film for blood bag, I.V. bag, and platelet bag

Main Physical Properties & Typical Values

Grade	Hardness	Tensile Strength	Elongation Strain	Heat stable time at 180℃	Tensile elastic retracting rate	Water absorption rate	Impact brittleness temp.
	GB/T 2411-2008	GB/T1040.3-2006	GB/T1040.3-2006	GB/T2917.1-2002	Q/GHPX2	Chinese Pharmacopoeia 1977	GB 5470-2008
	Standard value ± 2	≥ 13 MPa	≥ 250 %	≥ 40 min	≤150%	≤0.3 %	℃
5401F-1A76	76(A)	19	360	120	--	0.1	-25
5401F-2A76	76(A)	19	360	80	--	0.2	-25
5401F-2A81	81(A)	19	350	50	--	0.2	-25
5401E-1A68	68(A)	18	380	90	130	0.2	-40
5401E-2A68	68(A)	16	380	130	130	0.2	-40
5412	--	17	380	--	--	--	-30

Main Chemical Properties & Typical Values

Grade	Reducing substance	Acidity/ Alkalinity	Heavy metals	Non-volatile	DEHP /DOP	Ash	Residual VCM
	GB/T14232.1-2004	GB/T14233.1-2008	GB/T14233.1-2008	GB/T14233.1-2008	GB/T14233.1-2008	GB/T9345.1-2008	GB/T4615-2006
	≤ 0.3 ml	≤ 1.0	≤ 0.3μg/ml	≤ 2.0 mg/100ml	≤10 mg/100ml	≤ 1 mg/g	≤ 1 μg/ml
5401F-1A76	0.04	< 1	0.3	0.9	9	0.1	0.4
5401F-2A76	0.05	< 1	0.3	0.6	10	0.1	0.4
5401F-2A81	0.05	< 1	0.3	0.7	10	0.1	0.4
5401E-1A68	0.07	< 1	0.3	0.7	9	0.1	0.4
5401E-2A68	0.07	< 1	0.3	0.9	10	0.1	0.4
5412	0.08	< 1	0.3	--	--	0.1	0.4

Recommended Processing Technique

Equipment:

Ratio of length and diameter: 24 : 1

Screw compression ratio: 2.5:1 ~3.5:1; Generally cooling system is not necessary

Extrusion die head: To avoid scorch problem please use smooth pipeline and well-controlled die head temperature.

Temperature control:

Hardness（Shore A）	Extruder Zone Temp.（℃）	Melting Temp.（℃）
60~70	145~170	160-165
70~80	150~175	165-175
80~90	155~180	170-180

Please contact our customer service for more technical service.