

# TRADITIONAL CALENDERED PVC FILM FOR BLOOD BAG

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## Description

The main raw material of the traditional calendared PVC film for blood bag is medical-use PVC, incorporated with moderate amount of plasticizer, non-toxic stabilizer and other non-toxic additives. The production procedure includes plasticizing, calendaring, embossing and cooling. The film has the excellent property in high strength and even thickness, and mainly used for traditional blood bag.

## Features

1. Product properties comply with standard of Q/GHPX 119-2009
2. Biology properties meet the standard of GB 14232.1-2004
3. The blood bag made from this product meet the standard GB 14232.1-2004
4. This product has high strength property and low broken bag rate.
5. Stabilized performance in even thickness, low shrinkage rate and size control.
6. 100 thousand level purification plant, and clean film surface
7. Single- sided embossing. After sterilization, the blood bag remains permanent pattern and will not be sticky

## Main physical and mechanical properties and typical value

Test Item		Test Method	Unit	Typical Value	
				MB441F	MB441E
Thickness			mm	0.402	0.407
Tensile Strength		GB/T13022-1991	MPa	21	20
				19	19
Elongation Strain		GB/T13022-1991	%	354	325
				370	350
Heat stability	Tensile Strength	Q/GHPX 119-2009	MPa	21.9	20.4
				20.8	19.8
	Elongation Strain		%	322	320
				340	335
Shrinkage 121°C 30min		Q/GHPX 119-2009	%	-2.6	-1.3
				0.8	2.4
Impact Brittle Temp. (-25°C)		GB5470-2008	--	Pass	

1. The test method for heat stability is corporate standard Q/GHPX 119-2009 The corporate standard is set based on GB14232.1-2004.
2. The typical values should not be interpreted as specifications.

## Main Chemical Properties & Typical Values

Test Item	Test Method	Unit	Typical Value	
			MB441F	MB441E
Reducing substances (indirect method)	GB14232.1-2004	ml	0.70	0.80
Acidity/Alkalinity	GB14232.1-2004	ml	0.3 0.1	0.3 0.1
Heavy metals	GB14233.1-1998	µg/ml	0.3	0.3
DEHP/DOP	GB14233.1-2008	mg/100ml	9	10
Residue on evaporation	GB14233.1-1998	mg/100ml	0.6	0.8
Ash	GB/T9345-1988	mg/g	0.1	0.1
Residual VCM	GB/T4615-1984	µg/ml	0.4	0.4
Colour	--	--	colorless	colorless

1. Typical values should not be interpreted as specifications.
2. DEHP/DOP typical value was tested on 500ml sample liquid bag

***Please contact our customer service for more technical service.***