


















## MEDICAL LAY FLAT TUBULAR

TRADE MARK Product			Solutran®	Solutran® Hemo	Solutran® G Phthalate Free	NutriEVA®	
Description			Medical Grade PVC Lay Flat Tube /with DEHP	Medical Grade PVC Lay Flat Tube for Hemo Components /with DEHP	Medical Grade PVC Lay Flat Tube - Phthalate Free /with TEHTM	Medical Grade Lay Flat Tube for Photosensitivity Solutions in EVA	
Application	Medical Bags Manufacturing						
	Other Medical Devices Manufacturing						
Medical Use			For containers as a primary packaging for Infusion, Irrigation & Renal Systems	For Blood Bags Systems & containers for Hemo Components (Red Blood Cells & Whole Blood)	For Ozone Therapy System & containers for Hemo Components and Nutrition	For containers as a primary packaging for Photosensitive Solutions, Chemotherapy & Nutrition	
Plasticising	DEHP (DOP**)						
	DEHT (DOTP**)						
	TEHTM (TOTM**)						
	EVA						
Color ***	Natural						
	Natural Clear						
	Light Blue						
	Amber						
Thickness	Single Layer		0,20mm up to 0,4mm	0,20mm up to 0,4mm	0,20mm up to 0,4mm	0,20mm up to 0,4mm	
	Double Layer		0,40mm up to 0,8mm	0,40mm up to 0,8mm	0,40mm up to 0,8mm	0,40mm up to 0,8mm	
Width			60mm up to 420mm	60mm up to 420mm	60mm up to 420mm	60mm up to 420mm	
PHYSICAL PROPERTIES	Hardness	Value	75 Shore A up to 90 Shore A	76 Shore A	70 Shore A	-----	
		Method	ISO 868	ISO 868	ISO 868	-----	
	Melt Flow Index	Value <sup>(average)</sup>	-----	-----	-----	0,7 g/10min	
		Method	-----	-----	-----	ISO 1133	
	Density	Value <sup>(average)</sup>	1,2 g/cm <sup>3</sup>	1,2 g/cm <sup>3</sup>	1,2 g/cm <sup>3</sup>	0,94 g/cm <sup>3</sup>	
		Method	ISO R 1183	ISO R 1183	ISO R 1183	ISO 1183	
	Tensile Breaking Load	Value <sup>(average)</sup>	From 135 to 170 Kg/cm <sup>2</sup>	180 Kg/cm <sup>2</sup>	200 Kg/cm <sup>2</sup>	367 Kg/cm <sup>2</sup>	
		Method	ISO R 527	ISO R 527	ISO R 527	ASTM D882 B	
	Elongation at Break	Value <sup>(average)</sup>	From 340% to 270% (depending on Shore)	308%	400%	500%	
		Method	ISO R 527	ISO R 527	ISO R 527	ASTM D882 B	
	Stiffening Temperature	Value <sup>(average)</sup>	From -22°C to -8°C (depending on Shore)	< - 80 °C (depending on Shore)	< - 80 °C (depending on Shore)	< - 80 °C	
		Method	ISO R 458	ISO R 458	ISO R 458	ASTM D746	
	HANDLING	Storage Conditions	Packaging Type	The product is normally packed in a double PE bags closed and then in a carton box or in big boxes. Different packaging can be requested.			
			Room Temperature	Not Exceeding 40 °C			
Temperature at Use			48h before use it should be stored within 18 °C to 22 °C				
Shelf-life		5 years from the date of production					

\* Decrease of blushing effect after sterilization process

\*\* Acronym In Italian Language

\*\*\* Color differences depend of the tone of the resin