


**MEDICAL LAY FLAT TUBULAR**

		TRADE MARK Product		Solutran®	Solutran® Plus	Solutran® DOP Free	Solutran® Plus DOP Free	Solutran® Hemo	Solutran® HemoT	Solutran® G Phthalate Free	NutriEVA®	
				Medical Grade PVC Lay Flat Tube /with DEHP	Medical Grade <b>CLEAR-PVC*</b> Lay Flat Tube /with DEHP	Medical Grade PVC Lay Flat Tube - DEHP Free /with DEHT	Medical Grade <b>CLEAR-PVC*</b> Lay Flat Tube, DEHP Free /with DEHT	Medical Grade PVC Lay Flat Tube for Hemo Components /with DEHP	Medical Grade PVC Lay Flat Tube for Hemo Components - Phthalate Free /with TEHTM	Medical Grade PVC Lay Flat Tube - Phthalate Free /with TEHTM	Medical Grade Lay Flat Tube for Photosensitivity Solutions in EVA	
<b>PRODUCT FEATURES</b>	Description			Medical Grade PVC Lay Flat Tube /with DEHP	Medical Grade <b>CLEAR-PVC*</b> Lay Flat Tube /with DEHP	Medical Grade PVC Lay Flat Tube - DEHP Free /with DEHT	Medical Grade <b>CLEAR-PVC*</b> Lay Flat Tube, DEHP Free /with DEHT	Medical Grade PVC Lay Flat Tube for Hemo Components /with DEHP	Medical Grade PVC Lay Flat Tube for Hemo Components - Phthalate Free /with TEHTM	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 containers as a primary packaging for Infusion, Irrigation & Renal Systems. For products that require exceptional transparency.	For containers as a primary packaging for Infusion, Irrigation & Renal Systems	For containers as a primary packaging for Infusion, Irrigation & Renal Systems. For products that require exceptional transparency.	For Blood Bags Systems & containers for Hemo Components (Red Blood Cells & Whole Blood)	For Blood Bags Systems & containers for Hemo Components (Platelets)	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	0,20mm up to 0,4mm	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	0,40mm up to 0,8mm	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	60mm up to 420mm	60mm up to 420mm	60mm up to 420mm	60mm up to 420mm	60mm up to 420mm	
<b>PHYSICAL PROPERTIES</b>	Hardness	Value		75 Shore A up to 90 Shore A	80 Shore A up to 90 Shore A	75 Shore A up to 90 Shore A	80 Shore A up to 90 Shore A	76 Shore A	65 Shore A up to 80 Shore A	70 Shore A	-----	
		Method		ISO 868	ISO 868	ISO 868	ISO 868	ISO 868	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>	1,2 g/cm <sup>3</sup>	1,2 g/cm <sup>3</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 R 1183	ISO R 1183	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>	From 135 to 170 Kg/cm <sup>2</sup>	From 130 to 175 Kg/cm <sup>2</sup>	From 130 to 175 Kg/cm <sup>2</sup>	180 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	ISO R 527	ISO R 527	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)	From 340% to 270% (depending on Shore)	From 350% to 280% (depending on Shore)	From 340% to 270% (depending on Shore)	308%	330%	400%	500%	
		Method		ISO R 527	ISO R 527	ISO R 527	ISO R 527	ISO R 527	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)	From -22°C to -8°C (depending on Shore)	From -22°C to -7°C (depending on Shore)	From -22°C to -8°C (depending on Shore)	< - 80 °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	ISO R 458	ISO R 458	ISO R 458	ISO R 458	ISO R 458	ASTM D746	
<b>HANDLING</b>	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.										
	Storage Conditions	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