




**MEDICAL LAY FLAT TUBULAR**

TRADE MARK Product			<b>Solutran®</b>	<b>Solutran® Plus</b>	<b>Solutran® DOP Free</b>	<b>Solutran® Plus DOP Free</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	
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.	
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	80 Shore A up to 90 Shore A	75 Shore A up to 90 Shore A	80 Shore A up to 90 Shore A	
		Method	ISO 868	ISO 868	ISO 868	ISO 868	
	Melt Flow Index	Value <sup>(average)</sup>	-----	-----	-----	-----	
		Method	-----	-----	-----	-----	
	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>	
		Method	ISO R 1183	ISO R 1183	ISO R 1183	ISO R 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>	
		Method	ISO R 527	ISO R 527	ISO R 527	ISO R 527	
	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)	
		Method	ISO R 527	ISO R 527	ISO R 527	ISO R 527	
	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)	
		Method	ISO R 458	ISO R 458	ISO R 458	ISO R 458	
	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