































**MEDICAL BAGS**

TRADE MARK Product			Solutran®	Solutran® Plus	Solutran® DOP Free	Solutran® Plus DOP Free	Solutran® Hemo	Solutran® HemoT	Solutran® G Phthalate Free	NutriEVA®		
Description		PVC Plastic Container designed as a primary packaging material for pharmaceutical solutions /with DEHP	PVC Plastic Container designed as a primary packaging material (with CLEAR-PVC*)for pharmaceutical solutions /with DEHP	PVC Plastic Container designed as a primary packaging material for pharmaceutical solutions - DEHP Free /with DEHT	PVC Plastic Container designed as a primary packaging material (with CLEAR-PVC*)for pharmaceutical solutions - DEHP Free /with DEHT	PVC Plastic Container designed as a primary packaging material for Hemo Components /with DEHP	PVC Plastic Container designed as a primary packaging material for Hemo Components - Phthalate Free /with TEHTM	PVC Plastic Container designed as a primary packaging material for Hemo Components, Nutrition & Ozonotherapy - Phthalate Free /with TEHTM	EVA Plastic Container designed as a primary packaging material for Photosensitivity Solutions			
Medical Use		PVC Plastic Containers as a primary packaging for Infusion, Irrigation & Renal Systems	PVC Plastic Containers as a primary packaging for Infusion, Irrigation & Renal Systems. For products that require exceptional transparency.	PVC Plastic Containers as a primary packaging for Infusion, Irrigation & Renal Systems	PVC Plastic Containers as a primary packaging for Infusion, Irrigation & Renal Systems. For products that require exceptional transparency.	PVC Plastic Containers for Blood Bags Systems & Hemo Components (Red Blood Cells & Whole Blood)	PVC Plastic Containers for Blood Bags Systems & Hemo Components (Platelets)	PVC Plastic Containers for Ozone Therapy System, Hemo Components and Nutrition	EVA Plastic Containers as a primary packaging Photosensitive Solutions, Chemotherapy & Nutrition			
PRODUCT FEATURES	Plasticising	DEHP (DOP**)										
		DEHT (DOTP**)										
		TEHTM (TOTM**)										
		EVA										
Outflow Tubes	From 1 to 2											
	From 1 to 3											
	From 1 to 4											
Color ***	Natural											
	Natural Clear											
	Light Blue											
	Amber											
Thickness	Single Layer	0,30mm up to 0,4mm	0,30mm up to 0,4mm	0,30mm up to 0,4mm	0,30mm up to 0,4mm	0,30mm up to 0,4mm	0,30mm up to 0,4mm	0,30mm up to 0,4mm	0,30mm up to 0,4mm			
	Double Layer	0,60mm up to 0,8mm	0,60mm up to 0,8mm	0,60mm up to 0,8mm	0,60mm up to 0,8mm	0,60mm up to 0,8mm	0,60mm up to 0,8mm	0,60mm up to 0,8mm	0,60mm 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			
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	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	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	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	ASTM D746		
	HANDLING	Capacities										The capacity of the Medical Bags adapts to the customer's request and the available molds. Standards (ml): <b>from 20 to 60, 100, 150, 200, 250, 300, 400, 500, 600, 1000, 1300, 1500, 2000, 3000, 3800, 4000, 4500, 5000, 5500</b>
		Storage Conditions	Packaging Type	The product is normally packed in a double PE bags closed and then in a carton box. 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