


**MEDICAL GRANULE**



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 Compound /with DEHP	Medical Grade <b>CLEAR-PVC*</b> Compound /with DEHP	Medical Grade PVC Compound - DEHP Free /with DEHT	Medical Grade <b>CLEAR-PVC*</b> Compound DEHP Free /with DEHT	
Application	Tubular Extrusion		●	●	●	●	
	Tube Extrusion		●		●		
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						
PHYSICAL PROPERTIES	Hardness	Value	60 Shore A up to 90 Shore A	80 Shore A up to 90 Shore A	60 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	Big Bags (Octagonal Containers) of 800/1000 Kg			
			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