



*Medical compound for infusional sector:
Container for hemodialysis, infusional solution,
enteral and parenteral nutrition*

Solucare®

Solucare® is a medical foil and tubing extrusion material based upon SEBS triblockcopolymer with hardness 95 shore A and 80 shore A.

The market concept it has been to pursue the development of a single-layer material whose requirements are the best clinical performance aimed at the patient's well-being and a better environmental sustainability.

Solucare® leachable substance are less than detection limit.

Some of the best performances of **Solucare®** are: high level of workability, very good plasticity, transparency and tear resistance properties.

The tightness of 4 different connectors (luer lock, konus, vials and injection point) sealed both with automatic and manual machines has been successfully tested using bags filled as per their nominal capacity as follows:

- Hanging resistance: The bags have been hanged for 5 minutes.
- Pressure resistance: a pressure of 2 bars has been applied on the bags.
- Connector displacement: a traction force has been longitudinally applied on the connectors.

During these tests no leaks and no displacement of the closure system has been detected. **Solucare®** is adaptable to different connectors available on the market sealed using automatic or manual filling machines, so it is useful for several pharmaceutical applications.

Solucare® can satisfy any customer requests.

Thickness (single layer): from 0,20 to 0,40 mm

Width: from 160 mm to 420 mm

Colour: natural





Typical properties at 23°C

Solucare® PX01 compound

GENERAL PROPERTIES	METHOD	UNIT	VALUE
Polymer abbreviation	SEBS compound		
Hardness	ISO 868	Shore A (3s)	95
Density	ISO 2781	Kg/dm ³	0.90
Colour			Transparent

RHEOLOGICAL PROPERTIES	METHOD	UNIT	VALUE
Melt Flow Index (230°C, 2.16kg)	ISO 1133	g/10min	3
Tensile strength at break	ISO 37	MPa	28 (MD)
			28 (TD)
Elongation at break	ISO 37	%	620 (MD)

Solucare® PZ01 compound

GENERAL PROPERTIES	METHOD	UNIT	VALUE
Polymer abbreviation	SEBS compound		
Hardness	ISO 868	Shore A (3s)	80
Density	ISO 2781	Kg/dm ³	0.92
Colour			Transparent

RHEOLOGICAL PROPERTIES	METHOD	UNIT	VALUE
Melt Flow Index (230°C, 2.16kg)	ISO 1133	g/10min	5
Tensile strength at break	ISO 37	MPa	14
Elongation at break	ISO 37	%	1100

Water vapor permeability

