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SOLUTIONS FOR A SUSTAINABLE WORLD™

Momentive Silopren™ Gel 4962

Silicone soft skin adhesive for advanced wound care



With ageing population and the increasing risk for medical adhesive related skin injuries, there is a need for skin adhesives that are pain-free to remove, repositionable, and do not cause skin irritation or sensitization. **Silopren Gel 4962** was developed for this reason making the lives of patients more comfortable and the job of practitioners easier.

Designed for Advanced Wound Care Applications

Silopren Gel 4962 is a silicone soft skin adhesive with a peel force just high enough to reliably adhere foam dressings and even super absorber dressings to skin. At the same time low enough to offer painless removal without damaging skin tissue. It is provided as a 2-component system (Ratio 1:1) with a mixed viscosity of 10 Pas.

Its unique combination of properties makes it well suited for applications such as:

- Silicone foam dressings
- Super absorber dressings
- Post-op dressings
- Gentle fixation tapes

Key Features | Gentle to skin | 3–5-day wear time | PE release liner compatibility (no PFAS liner needed) | Fast cure speed

Si SSAs: The Gold-Standard in Wound Care

Silopren Gel 4962 enables secure, comfortable attachment with gentle, atraumatic removal. Its softness provides excellent conformity to skin contours, helping protect fragile skin and wound edges. It supports foam wound dressings, wound-contact layers, postoperative and incision-care dressings, and super-absorbent or antimicrobial dressings.

This adhesive is also well suited for securing wearable sensors, monitoring patches, and selected electrodes. Many designs can be repositioned and reapplied while maintaining reliable adhesion. This combination improves patient comfort, skin protection, and ease of use.

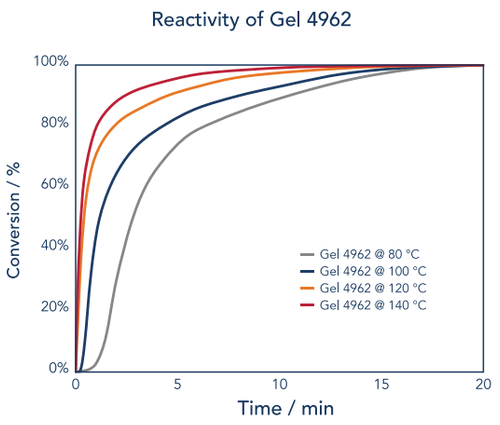
Added Confidence for Design Engineers

Designed to help wound care developers balance patient comfort, secure fixation, and manufacturing efficiency. The material combines an exceptionally soft gel profile for great skin conformability. Reliable adhesion without the need for a fluoro-release liner. Fast cure kinetics can enable reduced oven-times and lower production costs.



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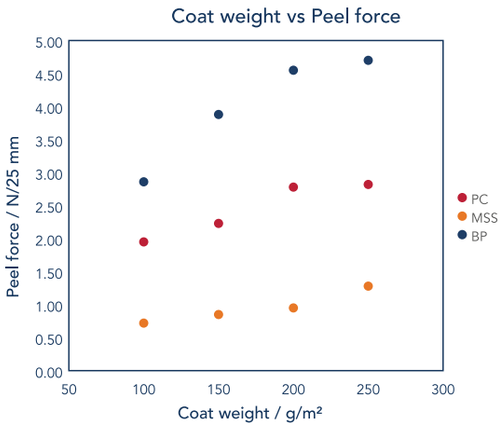
Processing parameters



Gel 4962	Unit		Values
Viscosity A/B	mPa s		10 000 / 9 000
Penetration	mm/10		210
Processing parameters			
Working time @ 23 °C*	min		60
Reactivity @ 80 °C	T10	min	1,7
	T60	min	4,4
	T90	min	12,2
Reactivity @ 100 °C	T10	min	0,6
	T60	min	1,9
	T90	min	9,1
Reactivity @ 120 °C	T10	min	0,2
	T60	min	1,1
	T90	min	6,9
Reactivity @ 140 °C	T10	min	0,1
	T60	min	0,7
	T90	min	4,9

* Time for viscosity to double

Adhesion properties



Gel 4962	Unit		Values
Adhesion performance*			
Peel force on polycarbonate	100 g/m²	N/25 mm	2,0
	150 g/m²	N/25 mm	2,2
	200 g/m²	N/25 mm	2,8
	250 g/m²	N/25 mm	2,8
Peel force on mirrored stainless steel	100 g/m²	N/25 mm	0,7
	150 g/m²	N/25 mm	0,9
	200 g/m²	N/25 mm	1,0
	250 g/m²	N/25 mm	1,3
Peel force on Bristol paper	100 g/m²	N/25 mm	2,9
	150 g/m²	N/25 mm	3,9
	200 g/m²	N/25 mm	4,6
	250 g/m²	N/25 mm	4,7

* Coated on TPU film and covered with LDPE film after curing