



# SKYPRENE POLYCHLOROPRENE LATEX

Polychloroprene Rubber (CR) is widely used for dry contact Adhesive because of Good Bonding Strength, Flame Resistance, Chemical Resistance and Good process ability. It has been used in form of Solution in Organic Solvents (Toluene, MEK, etc).

Solvent based Adhesives are Hazardous fo Fire Risk. Also they can emit VOC's which may be Harmful to the Enviornement. To overcome this Tosoh has deveoped Chloroprene Latex to replace Solvent based Adhesives.

## Latex Grades :- Adhesive Applications

**GFL Types :-** GFL types are Designed for Dry Contact Adhesive Applications. They have the Advantage of Gel-Free Components and Higher Cross-Linkability with ZnO. This is Superior to those of Traditional Carboxylated Chloroprene Latex. In Addition, the GFL types have better Mechanical, Chemical and Electrolytic Stability than Traditional Anionic Latex.

**LA-660 :-** The stability of LA-660 has been Adjusted for two Component PU foam Adhesive. The LA-660 Polymerhas a High Molecular Weight as well as High Gel Content, While the Crystallization Rate is Medium. This means that the Bonding Strength and Heat Resistance are Very High, where as the Adhesive Layer is Soft.

**SL Types :-** The SL types have Fast Crystallization Rate, and they also Display Good Bonding Strength caused by Gel-Free Components, same as GFL types. The Stability of Latex is Influenced by pH value, therefore SL types can be used for wet-contact Adhesive by Adjusting the pH.

## General Properties of Latex Grades for Adhesive Applications :

Product	GFL-820	GFL-890	GFL-280	SL-360	SL-390	LA-660
Polymer Type	Chloroprene- Methacrylic Acid			Chloroprene		
Emulsifier	Anionic			Rosin Salt		
pH	2.1 ~ 6.0			12 ~ 14		
Gel Content	None			None		High
Solid Content (%)	50 ~ 56			50 ~ 54		51 ~ 56
Molecular Weight	Low			High		Very
Crystallization rate	Medium		Fast			Medium
Stability						
Mechanical	Good			Good		
Storage	Good			Good		
Electrolute	Good			Unstable (Under Lower pH)		Unstable (Under Lower pH)

Typical formula	Solid%	Dosage
SKYPRENE LATEX SL-360	50	100
ZnO dispersion AZ-SW	50	2
Resin dispersion E-100	53	38
Thickener UH 420	30	3

Viscosity (mPa.s/25°C) About 40,000

All additives available locally

