

Chemlok® TS701-43 Adhesive

Technical Data Sheet

Chemlok® TS701-43 adhesive is a one-coat adhesive used to bond polychloroprene (CR) and nitrile (NBR) compounds to metals and other substrates during the vulcanization of the elastomer. It is composed of a mixture of dissolved polymers and resins in a blend of organic solvents.

Features and Benefits:

Heat and Environmentally Resistant – provides excellent heat and environmental resistance.

Fast Drying – dries quickly to a hard coating.

Versatile – bonds under a variety of production conditions.

Convenient – requires only a single coat for most applications, reducing labor, solvent usage, inventory and shipping costs.

Easy to Apply – applies easily by spray, dip or brush methods.

Elastomers:

- Polychloroprene (CR)
- Nitrile (NBR)

Application:

Surface Preparation – Thoroughly clean metal surfaces prior to application. Remove protective oils, cutting oils and greases by solvent degreasing or alkaline cleaning. Remove rust, scale or oxide coatings by suitable chemical or mechanical cleaning methods.

For further detailed information on surface preparation of specific substrates, refer to Chemlok Adhesives application guide.

Mixing – No agitation is required before or during use. If dilution is needed, use MEK and mix thoroughly.

Applying – Apply adhesive to clean surfaces by brush, dip or spray methods.

Drying/Curing – Allow adhesive to air-dry for 30-60 minutes at room temperature [16-32°C (60-90°F)].

Chemlok TS701-43 adhesive will cure under the normal curing time and temperature requirements for the substrate. For best results, maintain curing temperature between 135-177°C (275-350°F).

Cleanup – Use solvents such as MEK and xylene to remove adhesive before heat is applied. Remove cured adhesive by grit blasting, grinding or belt sanding.

Typical Properties*

Appearance	Translucent Amber Liquid
Viscosity, cps @ 25°C (77°F) Brookfield LVT Spindle 1, 30 rpm	60-150
Density kg/m ³ (lb/gal)	886.7-934.6 (7.4-7.8)
Solids Content by Weight, %	18-22
Flash Point (Seta), °C (°F)	-2 (+28)
Solvents	Methyl Ethyl Ketone (MEK), Xylene

*Data is typical and not to be used for specification purposes.



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Shelf Life/Storage:

Shelf life is one year from date of shipment when stored by the recipient in a well ventilated area at 21-27°C (70-80°F) in original, unopened container. Do not store or use near heat, sparks or open flame.

Cautionary Information:

Before using this or any Parker LORD product, refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions.

For industrial/commercial use only. Must be applied by trained personnel only. Not to be used in household applications. Not for consumer use.

Values stated in this document represent typical values as not all tests are run on each lot of material produced. For formalized product specifications for specific product end uses, contact the Customer Support Center.

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OD DS3256 03/21 Rev.4



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