

CHEMLOK® TS701-43

Technical Data Sheet

Chemlok® TS701-43 is a one-coat surface treatment used to affix 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: works 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 application guide.

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

Applying: Apply Chemlok TS701-43 to clean surfaces by brush, dip or spray methods.

Drying/Curing: Allow Chemlok TS701-43 to air-dry for 30-60 minutes at room temperature [16-32°C (60-90°F)].

Parker Lord
Engineered Materials Group
111 LORD Drive
Cary, NC 27511-7923
USA
www.parker.com/EPM

DS6043CE OD 09/26 Rev.2

Information and specifications subject to change without notice and without liability therefor.
Trademarks used herein are the property of their respective owners.

© 2026 Parker Hannifin Corporation



Chemlok TS701-43 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 Chemlok TS701-43 before heat is applied. Remove cured Chemlok TS701-43 by grit blasting, grinding or belt sanding.

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.

Verify Volatile Organic Compounds (VOC) requirements with the applicable local, regional and state air quality authorities before importing, selling or using this product. VOC rules, thresholds and reporting obligations vary by jurisdiction; compliance is the responsibility of the importer/seller/owner.

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

Typical Properties*

Appearance	Translucent Amber Liquid
Viscosity, cps @ 25°C (77°F) Brookfield LVT Spindle 1, 33 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	MEK, Xylene

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

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.

Information provided herein is based upon tests believed to be reliable. In as much as Parker Lord has no control over the manner in which others may use this information, it does not guarantee the results to be obtained. In addition, Parker Lord does not guarantee the performance of the product or the results obtained from the use of the product or this information where the product has been repackaged by any third party, including but not limited to any product end-user. Nor does the company make any express or implied warranty of merchantability or fitness for a particular purpose concerning the effects or results of such use.

WARNING — USER RESPONSIBILITY: FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker-Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.

The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.

To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

CHEMLOK® TS701-43

技术说明书

Chemlok® TS701-43作为一种单涂表面处理剂,可用于在弹性体硫化过程中将氯丁橡胶 (CR)和丁腈橡胶(NBR)附着至金属和其他基材。本品是聚合物和树脂在混合有机溶剂中溶解形成的混合物。

特征和优点

耐热性和耐环境性: 具有出色的耐热性和耐环境性。

快速干燥: 快速干燥成硬涂层。

用途广泛: 可适用于各种生产条件下。

使用方便: 大多数情况下只须涂敷一层,减少工作量和溶剂使用量,降低仓储和货运成本。

涂敷简单: 涂敷方法简单,喷涂、浸涂或刷涂均可。

弹性体

- 氯丁橡胶 (CR)
- 丁腈橡胶 (NBR)

使用方法

表面处理: 在涂敷前,应彻底清洗金属表面。使用溶剂型除油剂或碱性清洗剂去除金属表面的保护油、切削油和油脂。通过适当的化学或机械清理方法,去除锈、腐蚀层或氧化层。

对于特定基材的表面处理的详细信息请参阅Chemlok/Chemosil应用指南。

混合: 使用前或使用过程中无须搅拌。如果需要稀释,使用丁酮(MEK)作为稀释剂,彻底搅拌均匀。

涂敷: 可采用刷涂、浸涂或喷涂方式进行将本品涂敷于清洁表面。

干燥/固化: Chemlok TS701-43在室温下[16-32°C (60-90°F)]自然风干需要30-60分钟。

Chemlok TS701-43在正常的基材固化时间和温度要求下即可固化。为了获得最佳效果,可以将固化温度控制在135-177°C (275-350°F)。

清理: 使用丁酮 (MEK) 和二甲苯等溶剂清除多余的未经硫化的Chemlok TS701-43。也可使用喷砂、打磨或砂带打磨方式去除固化的Chemlok TS701-43。

保质期/储藏要求

自发货之日起,保质期为一年,但是收货人必须使用出厂未开封的原装容器,在 21-27°C (70-80°F) 的温度下保存于通风良好区域。储藏或使用时不得靠近热源、火花或明火。

警示信息

使用本品或派克洛德 (Parker Lord) 任何产品之前,请参阅安全数据表 (SDS) 和产品标签上关于安全使用和处理的说明。

在进口、销售或使用本产品之前,请与当地及相关国家区域的空气质量主管部门核实挥发性有机物 (VOC) 的要求。VOC 的规定、阈值和报告义务因地区而异;合规责任在于进口商/销售商/所有者。

仅可用于工业/商业用途。要求本品在有组织排放下使用。使用本品者事先必须接受相关培训。不得用于家庭用途。不得用于消费品。

Parker Lord
工程材料集团
111 LORD Drive
Cary, NC 27511-7923
USA
www.parker.com/EPMChina

派克洛德中国
中国(上海)自由贸易试验区日樱北路333号
邮编: 200131
邮件: LORDChinaMarketing@parker.com
电话: +86 21-3133 0800
传真: +86 21-2042 2361

DS6043CE OD 09/26 Rev.2

信息及规格以不时更新为准,恕不另行通知,亦不承担由此产生的责任。
本文件中使用的商标为相应所有人的财产。

© 2026 Parker Hannifin Corporation



典型特性*

外观	半透明的琥珀色液体
粘度, cps @ 25°C (77°F) Brookfield粘度计 1号转子, 转速33 rpm	60 - 150
密度 kg/m³ (lb/gal)	886.7 - 934.6 (7.4 - 7.8)
固体含量, %	18 - 22
闪点(Seta), °C (°F)	-2 (+28)
溶剂	丁酮 (MEK), 二甲苯

*典型数据不可作为产品标准之用。

本公司未对每批生产的材料均进行所有的测试,因此本文件所提供的数值仅为典型值。如欲获取有关特定产品最终用途的正式产品规格,请联系客户支持中心。

此处提供的信息均基于本公司认为可靠的测试。对于他人会如何使用这些信息,派克洛德无法控制,因此本公司并不保证可以获得何种结果。此外,如果本品被任何第三方(包括但不限于任何产品最终用户)重新包装,则派克洛德不保证本品的性能或使用本产品或本信息所获得的结果。本公司也不对本品的适用性或特定用途的适用性(关于上述使用的效果和结果)做任何明示或默示保证。

警告—用户责任:不当选择或不当使用本文所提及的产品或相关产品会导致死亡、人身伤害和财产损失。

本文件以及派克汉尼汾公司、其子公司和授权经销商提供的其他信息为具有技术专长的用户进行进一步调查提供了产品或系统选项。

用户可通过自行分析和测试,独自负责就系统和组件作出最终选择,并确保符合有关性能、耐用性、维护、安全和警告方面的所有应用要求。用户必须分析应用程序的所有方面,遵循适用的行业标准,并遵循当前产品目录中关于产品的信息,以及派克或其子公司或授权经销商提供的任何其他材料。

在某种程度上,派克或其子公司或授权经销商基于用户提供的规格或规格提供组件或系统选项,用户须负责确保这些数据和规格对所有应用程序和组件或系统的合理预见用途适用且信息完备。