

Chemlok® 7701

Technical Data Sheet

Chemlok® 7701 is a solvent-based surface treatment for use on various vulcanized and thermoplastic polymeric materials. Chemlok 7701 chemically alters the surface of the rubber, making it more receptive to processing. Do not apply to metal surfaces.

Chemlok 7701 is used in conjunction with a broad range of LORD Adhesives, including epoxy and urethane adhesives, for bonding cured rubber. It improves attachment to a variety of cured and thermoplastic polymeric materials, including natural rubber, synthetic polyisoprene, SBR, butyl, polybutadiene, neoprene, EPDM, nitrile, polyurethane, styrene-butadiene block copolymers, styrene isoprene rubbers and polyvinyl chloride.

Features and Benefits:

Versatile – functions as a cleaner and surface conditioner; treats a wide variety of elastomer functional materials.

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

Convenient – requires no mixing.

Improved Performance – improves performance on cast urethanes and cured rubber.

Fast Drying – surface treatment flashes off within five minutes or less.

Environmentally Resistant – promotes increased environmental resistance by allowing the treated surface to be more easily wet.

Application:

Surface Preparation – Remove contaminants from rubber surface using a solvent wipe.

Applying – Apply Chemlok 7701 by wipe, brush, dip or flood methods. Spray application is not recommended due to the reactivity of the material.

Transfer the minimum amount of material necessary for the application into a new, clean container.

- **Wiping (preferred method)**
Apply Chemlok 7701 using a clean cotton rag. Change the rag frequently as it becomes contaminated with materials picked up from the surface being treated.
- **Brushing**
Apply Chemlok 7701 using a bristle or foam brush. Check foam-type brushes for compatibility before use. Use bristle brushes from man-made materials. Do not allow brushes with metal handles or metal collars to come in contact with Chemlok 7701.
- **Dipping**
Immerse parts in Chemlok 7701. Place treated parts on a rack to allow excess material to drip off and the solvent to flash off.

To prevent contamination, discard excess material; do not return excess material to original container.

The treatment is complete after the solvent flashes off (<5 minutes). Rinsing is not necessary. The best performance is achieved by assembling parts shortly after the solvent has flashed off. However, effective performance has been obtained on parts stored under controlled conditions. Parts can be retreated, as necessary.

Cleanup – Use ethyl acetate for clean up. In the event of a spill, use large quantities of water to flush the area.

Typical Properties*	
Appearance	Clear to Cloudy Liquid
Density kg/m ³ (lb/gal)	870 - 930 (7.3 - 7.8)
Solids Content by Weight, %	2.3 - 3.5
Flash Point (Seta), °C (°F)	-4 (25)
Solvents	Ethyl Acetate

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

Shelf Life/Storage:

Shelf life is one year from date of manufacture when stored by the recipient at 21-27°C (70-80°F) in original, unopened container.

Avoid storage in lighted areas. Store material in original container or UV-filtering plastic or glass container. Do not store in metal containers. Store Chemlok 7701 in a cool, dark area away from oil, grease, sawdust, floor sweepings, easily oxidized organic compounds, ammonia, amines, ammonia salts, and metallic materials. Do not contaminate with water or alcohol.

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. Required to use under organized emissions. 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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Chemlok® 7701

技术说明书

Chemlok® 7701 是一款溶剂型表面处理剂，用于各种硫化和热塑性聚合物材料。Chemlok 7701 以化学方式改变橡胶，使其更容易加工。本品不适用于金属表面。

Chemlok 7701 与各种LORD 胶粘剂（包括环氧树脂和聚氨酯胶粘剂）配合使用，用于已硫化橡胶的粘接。它改善了各种以硫化橡胶和热塑性聚合物材料的粘接性，包括天然橡胶、聚丙烯、SBR、丁基橡胶、顺丁橡胶、氯丁橡胶、EPDM、丁腈橡胶、聚氨酯、丁苯橡胶、苯乙烯异丙烯橡胶和聚氯乙烯。

特征和优点:

用途广泛 – 可以作为清洁剂，起到表面保护的功能；可以处理各种弹性体功能材料。

易于涂敷 – 可通过擦涂、刷涂、浸涂或泛浸等方式轻松完成。

使用方便 – 无需搅拌。

优化性能 – 改善聚氨酯橡胶和固化橡胶的性能。

快速干燥 – 表面处理在五分钟或更短的时间内完成。

耐环境性强 – 经处理的表面更容易湿润，从而增强耐环境性。

使用方法:

表面处理 – 使用溶剂擦洗，清除橡胶表面的污染物。

涂敷 – Chemlok 7701 可采用擦涂、刷涂、浸涂或浸化的涂敷工艺。由于材料的活性，不建议使用喷涂。

将涂敷所需的最小材料量倒入新的清洁容器中进行操作。

- **擦涂 (首选方法)**
使用干净的棉布涂敷Chemlok 7701。需要经常更换抹布，因为抹布会被待处理表面上的材料污染。
- **刷涂**
使用毛刷或海绵刷涂敷Chemlok 7701。使用前检查海绵刷的兼容性。使用人工材料做刷毛材质的毛刷。不允许带金属手柄或手柄和刷毛中间有金属圈的刷子接触Chemlok 7701。
- **浸涂**
把零件浸入Chemlok 7701中。将经过处理的零件放在架子上，让多余的表面处理剂滴落，溶剂干燥。

为防止污染，丢弃用剩下的材料；不要将剩余的材料倒入原来的容器中。

溶剂干燥后 (<5 分钟)，处理完成。不需要冲洗。为了实现零件的最佳性能，最好在溶剂干燥后，立即进行下一步处理。然而，在一定条件下存储零件，也可以保持其性能。必要时，可以重新处理零件。

清理 – 使用乙酸乙酯进行清理。如果发生溅溢，使用大量水进行冲洗。

保质期/储藏要求:

自生产之日起，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，且保存在21-27°C (70-80°F)的条件下。

避光储存。将材料存放在原装容器或可过滤紫外线的塑料或玻璃容器中。请勿存放在金属容器中。将 Chemlok 7701 存放在阴凉、黑暗避光的区域，远离油、油脂、锯末、地板扫集物、易氧化的有机化合物、氨、胺、氨盐和金属材料。不要被水或酒精污染。

典型特性*

外观	透明至浑浊液体
密度 kg/m³ (lb/gal)	870-930 (7.3-7.8)
固体含量, %	2.3-3.5
闪点 (Seta), °C (°F)	-4 (25)
溶剂	乙酸乙酯

*典型数据不可作为产品标准之用。

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。

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