

CHEMLOK® Y-4310

Technical Data Sheet

Chemlok® Y-4310 is a clear, one-coat surface treatment that affixes specialty elastomers to plastics and metals, including phosphatized metals.

Features and Benefits

Environmentally Resistant: provides outstanding resistance to a wide variety of aggressive environments.

Low Viscosity: maintains low viscosity for spray and dip (hand or tumble) applications.

Elastomers

- Fluoroelastomer (FKM)
- Polyacrylate (ACM)
- EPDM/Silicone Blends
- Nitrile (NBR) - peroxide cure
- Hydrogenated Nitrile (HNBR) - peroxide cure
- Silicone (VMQ, PMQ, PVMQ) - peroxide cure
- Epichlorohydrin (ECH)
- Ethylene Acrylic (AEM)
- EPDM - peroxide cure

Application

Surface Preparation: Chemlok Y-4310 is primarily used on phosphated metal parts and mechanically prepared parts, including metals and plastics. Lightly blast parts and follow with a solvent wipe.

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

Mixing: No mixing is required before or during use. If dilution is needed, typical dilution is 1 part methanol or ethanol to 1 part Chemlok Y-4310.

Applying: Apply Chemlok Y-4310 by brush, dip or spray methods. Dip application is preferred to maintain precise control over adhesive thickness.

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Drying/Curing: Allow Chemlok Y-4310 to air-dry for a minimum of 30 minutes. Chemlok Y-4310 cures during the rubber vulcanization process. Process coated parts within three days of application.

Cleanup: Use alcohol or methanol to clean up equipment. Mechanical removal is the best method for cleaning.

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.

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	Clear Liquid
Viscosity, cSt	0 - 5
Density kg/m ³ (lb/gal)	790.0 - 820.0 (6.6 - 6.8)
Solids Content by Weight, %	4.8 - 6.2
Flash Point (Seta), °C (°F)	13 (56)
Solvents	Ethanol, Methanol

*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.

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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.

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CHEMLOK® Y-4310

技术说明书

Chemlok® Y-4310是一种单涂表面处理剂,用于帮助和促进特种弹性体附着至塑料和金属上,包括磷化处理的金属。

特征和优点

耐环境性: 可有效耐受多种侵蚀性环境。

低粘度: 保持低粘度可适用于喷涂或浸涂(手动或翻腾方式)。

弹性体

- 氟橡胶 (FKM)
- 氯醚橡胶 (ECH)
- 聚丙烯酸酯 (ACM)
- 乙烯丙烯酸 (AEM)
- EPDM/硅胶混合物
- EPDM - 过氧化物固化
- 丁腈橡胶 (NBR) - 过氧化物固化
- 氢化丁腈橡胶 (HNBR) - 过氧化物固化
- 硅橡胶 (VMQ, PMQ, PVMQ) - 过氧化物固化

使用方法

表面处理: Chemlok Y-4310主要用于磷化金属部件和经过机械预处理的部件,包括金属和塑料。稍微喷砂处理工件,然后用溶剂擦洗。

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。

搅拌: 在使用前或使用时无需搅拌。如果需要稀释,典型的稀释配比为一份Chemlok Y-4310加一份甲醇或乙醇。

涂敷: Chemlok Y-4310可采用刷涂、浸涂或喷涂方式进行。浸涂法特别适用于保持对胶粘剂厚度的精确控制。

干燥/固化: Chemlok Y-4310自然风干至少需要30分钟。Chemlok Y-4310也可在橡胶硫化过程中固化。对已涂敷的部件在涂装后3天内进行硫化。

清理: 使用甲醇或乙醇来清理设备。清除胶粘剂的最佳方式是机械打磨。

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。

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。

典型特性*

外观	透明的液体
粘度, cSt	0-5
密度 kg/m ³ (lb/gal)	790.0 - 820.0 (6.6 - 6.8)
固体含量, %	4.8 - 6.2
闪点 (Seta), °C (°F)	13 (56)
溶剂	甲醇、乙醇

*典型数据不可作为产品标准之用。

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