

LORD® 7420 Urethane Adhesive

Description

LORD® 7420 adhesive is a single-component, moisture-cure urethane adhesive offering high peel strengths on difficult-to-bond substrates. It successfully bonds Hytrel®, chlorinated polyethylene (CPE), thermoplastic polyurethane (TPU), Nylon 11 and other thermoplastics to fiber reinforcements, such as polyester and Kevlar®, during construction of high-pressure hose.

Features and Benefits

Identifiable Appearance – blue color allows for easy identification on light colored substrates.

Non-Flammable – does not require explosion-proof equipment.

Convenient – requires no mixing; requires no ovens or other heat source for curing.

Environmentally Resistant – resists sunlight, weathering, humidity and salt spray.

Chemically Resistant – solvent resistant when cured. Painting and most cleaning processes do not affect bond strength.

Application

Surface Preparation – Surfaces should be free of grease, dirt, mold release and other contaminants.

Applying – Apply LORD 7420 adhesive by dip/wipe or brush methods. A wet film thickness of 4-10 mil (102-254 micron) is recommended.

Shelf Life/Storage

Shelf life is six months from date of shipment when stored in clean, dry environment at 70-80°F (21-27°C) in original, unopened container.

After opening, protect adhesive from excessive exposure to moisture by using dry nitrogen as an inert cover each time material is removed. Do not return dispensed material to its original container. The viscosity of this product will increase over time.

Hytrel and Kevlar are trademarks of E. I. du Pont de Nemours and Company.

Typical Properties*

Appearance	Blue Liquid
Viscosity, cP @ 77°F (25°C) Brookfield LVT Spindle 2, 30 rpm	200-700
Density	
lb/gal	10.0-10.2
(kg/m ³)	(1198-1222)
Solids Content by Weight, %	55-60
Flash Point (Seta), °F (°C)	>200 (>93)
Solvent	Methylene Chloride

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

LORD TECHNICAL DATA

Cautionary Information

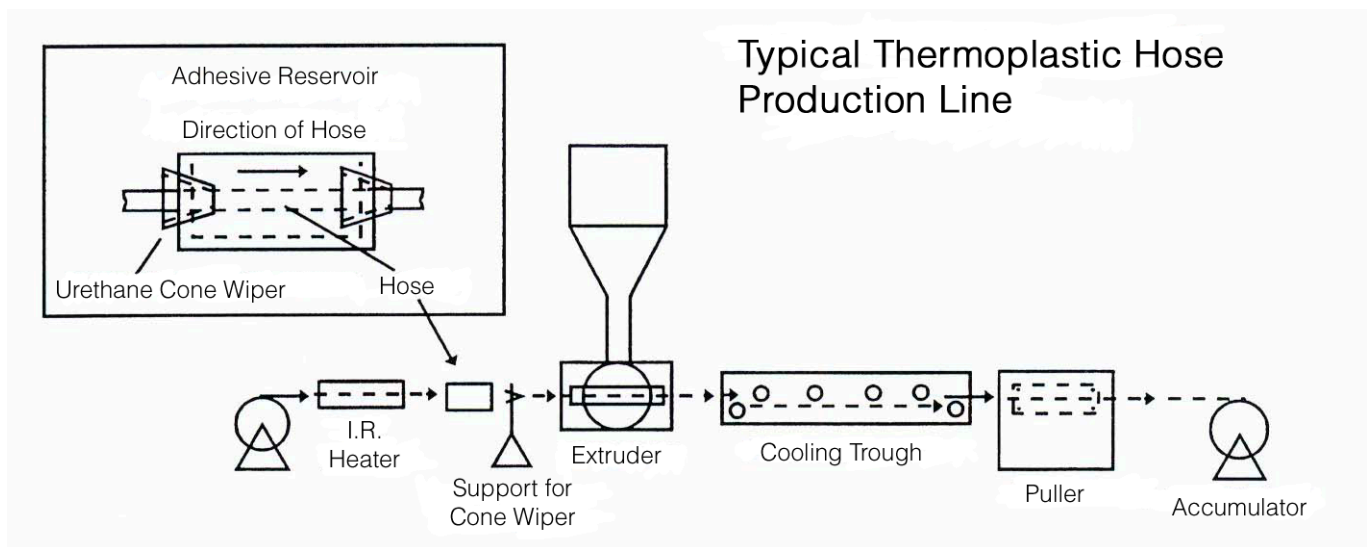
Before using this or any LORD product, refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions.

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

Typical Cured Properties* and Bond Performance (ASTM D882-A3A, modified)

Elongation, %	250-350
T-Peel, pli (N/mm) ASTM 1876-72	
Hytel 5556	45-50 (7.9-8.8)

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Values stated in this technical data sheet 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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