

Description

URZ-240001 is an alkyl phenol-formaldehyde resin used in making polychloroprene contact cement. The outstanding features of this resin are its light color and ability to extend open time without affecting other properties of the finished adhesive.

Characteristics

- Low solubility in water
- Good solubility in aromatic and aliphatic hydrocarbons, esters, ketones
- Partial solubility in higher alcohols
- Light colour
- Extends open time without negative effects on other properties
- Completely compatible with Polychloroprene and nitrile rubbers

Suggested Application

- General purpose and heat-activating polychloroprene cements
- Adhesives with NBR, SBR, natural or reclaimed rubbers

Typical Properties

Appearance	(Light) yellow lumps
Melting Point, Capillary Shrinkage [°C]	74 – 88
Methylol Content [%]	8 – 12
Softening Point, Ball & Ring [°C]	95 – 105
Colour, in 40% Toluene, Gardner	≤ 7
Flash Point, Closed Cup [°C]	Approx. 176

Storage

The product should be stored in a cool, dry place in unopened original packaging and should not be exposed to direct sunlight. Typical storage temperatures should be between 15 - 30 °C. Do not stack pallets.

Shelf Life

The product has a shelf life of at least 12 months from the date of manufacture. This type of resin is known to agglomerate during storage without affecting the performance and is not considered justification for rejection or return.

Packaging

25 kg net weight in paper bags.

Safety

When handling this product, please work according to the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Disclaimer

This product is currently under development/in scale-up. Listed values are subject to change.

 chemicals@hubergroup.com

This Technical Data Sheet can only be of an advisory nature. Our data reflect the latest state of our knowledge and are based on the characteristics established in the laboratory and on practical experience. Because there are many factors under the control of the user which may affect processing or application/use, it is necessary for the user to carry out appropriate tests to determine whether the product is technically and safely suitable for the particular purpose, prior to use. No warranties of any kind, either expressed or implied, are made regarding the product here described. We assume no liability for correctness.

Typical Contact Cement Formula

Part A: Rubber Base:

Material	Parts by Weight
Neoprene® AD20 ¹	100.0
Zinc Oxide	5.0
Magnesium Oxide	4.0
Ionol ²	2.0

Dissolve to 25 percent solids in solvent of choice.

Part B: Resin Pre-Reaction:

Material	Parts by Weight
URZ-240001	45.0
Magnesium Oxide	4.5
Water	2.0

Dissolve to 50 percent solids in solvent of choice. Agitate a minimum of three hours.

Finished Adhesive

Add Part B to Part A with mixing to complete the formulation.

¹⁾ Product of E.I Dupont de Nemors & Co., Inc., Wilmington, DE

²⁾ Product of Shell Chemical Co., 415 Madison Ave., New York, NY

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