



MEGUM™ W 7044

Description MEGUM™ W 7044 is a general purpose water-borne rubber to substrate bonding system for wheel bearing seals.

Benefits & Features Durable adhesion to a variety of metal substrates. Very good environmental resistance.

Uncured Properties	Nominal Value	Unit	Test Method
Color	Blue-Grey		
Solids Content ¹	23 to 27	%	
Dry Film Density	1.3	g/cm ³	
VOC Content	1.20	lb/gal	
Viscosity ² (25°C, Brookfield RVT)	0.010 to 0.15	Pa·s	
Theoretical Coverage	15.2	m ² /l	Calculated
Recommended Film Thickness ³	5.1	µm	
Recommended Film Thickness Range	2.5 to 15	µm	
Shelf Life ⁴ (45°C)	12	month	

Elastomer

NBR, AEM AND ACM RUBBER COMPOUNDS

Substrate

CRS, zinc-phosphate pre-treated steel, manganese-phosphate pre-treated steel, aluminum

Surface Prep

Review Dow 's rubber-to-substrate bonding agent application guide or contact your account manager.

Mix Instructions

Diluents - Deionized, Distilled, or RO Water, Stir MEGUM W 7044 before using or diluting with water to assure that all the ingredients are properly mixed and uniformly distributed. Do not stir the adhesive so vigorously that a vortex forms in the pail, drum or container bringing in air. This will cause the adhesive to form a foam and make application more difficult. It could also destroy the adhesive by causing the key ingredients to fall out of solution.

Application Technique

Can be applied by brushing, dipping or spraying.

Drying the Film

Dry MEGUM W-7044 after applying to the metals or substrate at 180°F (82°C) for 3-5 minutes with good air flow in the dryer.

Molding and Curing

Can be used with all common molding and assembly techniques and vulcanization methods. Cure temperatures between 100°C and 205°C (212° to 410°F) are recommended.

Dry Film Stability

Excellent dry film stability or layover properties. Coated substrates with MEGUM W 7044 can be stored for several weeks if protected from contaminants, light and water.

Clean-up

Equipment clean up should be done using recommended dilution solvents.

Packaging/Sizes Available

Package product in either appropriately lined steel containers, plastic pails or drums.

Storage & Stability

The shelf life of this material is assured for 24 months (from the date of manufacture) at temperatures below 78°F in an unopened container.

Toxicity and Safety Information

Read the Safety Data Sheet before using this material. Toxicity and safety information is included in the SDS.

Food Contact Applications

Dow Automotive products are not approved for direct or indirect food contact or drinking water applications. If your applications include food contact or drinking water requirements, please contact your Dow representative. For more information on the regulatory status of this product, please refer to the SDS for this product.

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

¹ 1 gram 130°C for 1 hour

² Spindle #2, @ 100 RPM

³ Recommended Film Thickness: 2.5-15 microns

⁴ Accelerated Aging at 45°C for 12 weeks/ 45-100°F (7-38°C)

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