

VANDERBILT *Technical Data*

Distributed in the Interest
of Product Development

VANOX[®] ZMTI Slurry An Antioxidant Synergist In XNBR Latex

With Phenolic Antioxidants

R.T. Vanderbilt Company, Inc.
30 Winfield Street, P.O. Box 5150, Norwalk, CT 06856-5150
Telephone: (203) 853-1400
Fax: (203) 853-1452, Web Site: www.rtvanderbilt.com

Before using, read, understand and comply with the information and precautions in the Material Safety Data Sheets, label and other product literature. The information presented herein, while not guaranteed, was prepared by technical personnel and, to the best of our knowledge and belief, is true and accurate as of the date hereof. No warranty, representation or guarantee, express or implied, is made regarding accuracy, performance, stability, reliability or use. This information is not intended to be all-inclusive, because the manner and conditions of use, handling, storage and other factors may involve other or additional safety or performance considerations. The user is responsible for determining the suitability of any material for a specific purpose and for adopting such safety precautions as may be required. R. T. Vanderbilt Company does not warrant the results to be obtained in using any material, and disclaims all liability with respect to the use, handling or further processing of any such material. No suggestion for use is intended as, and nothing herein shall be construed as, a recommendation to infringe any existing patent or to violate any federal, state or local law or regulation.

VANOX[®] ZMTI Slurry
An Antioxidant Synergist
In XNBR Latex

With Phenolic Antioxidants

The tear strength of carboxylated acrylonitrile films deposited from latex is significantly increased when **VANOX ZMTI** is used as the antioxidant synergist in the compound. The tear strength is consistently higher in original and heat aged films containing **VANOX ZMTI** than in films where only a phenolic antioxidant is used. The higher heat aged values are also important in determining the shelf life and expiration dates of latex products.

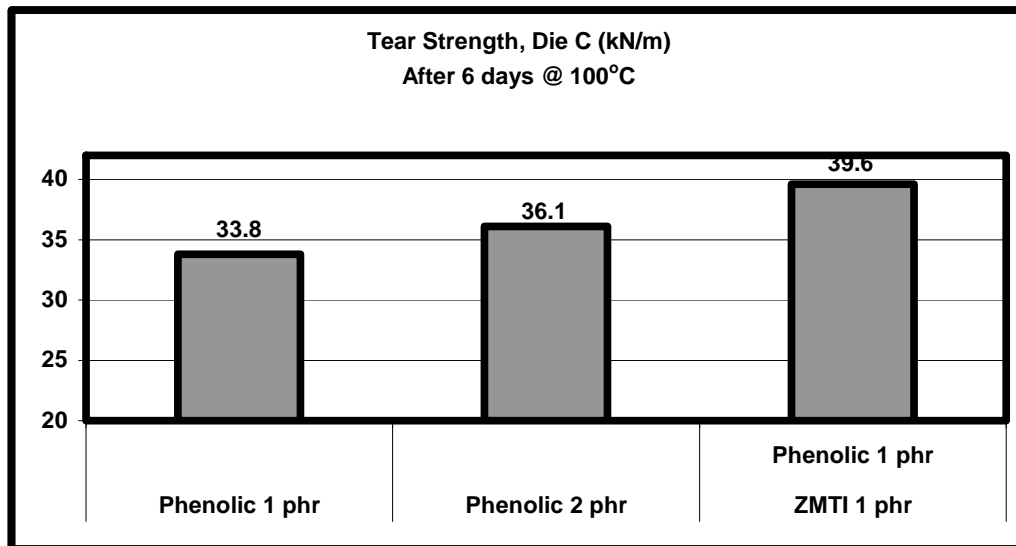
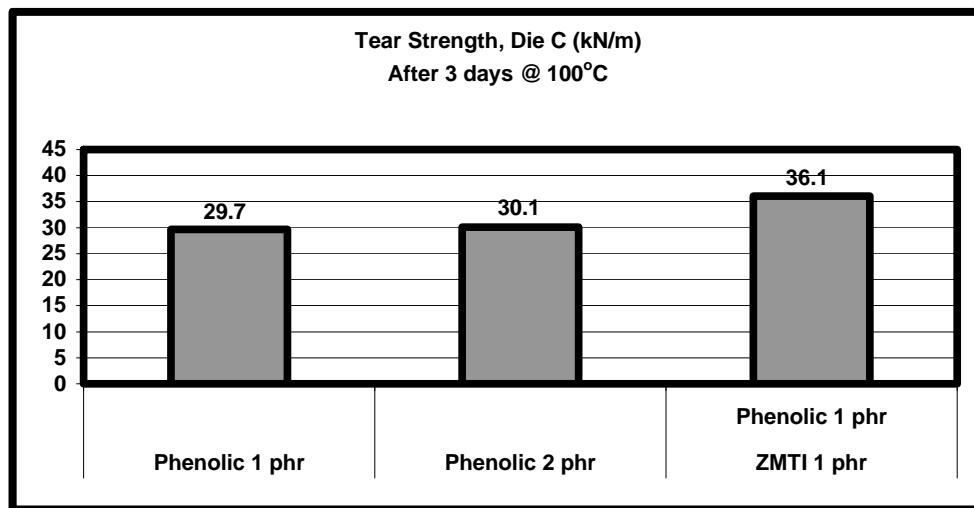
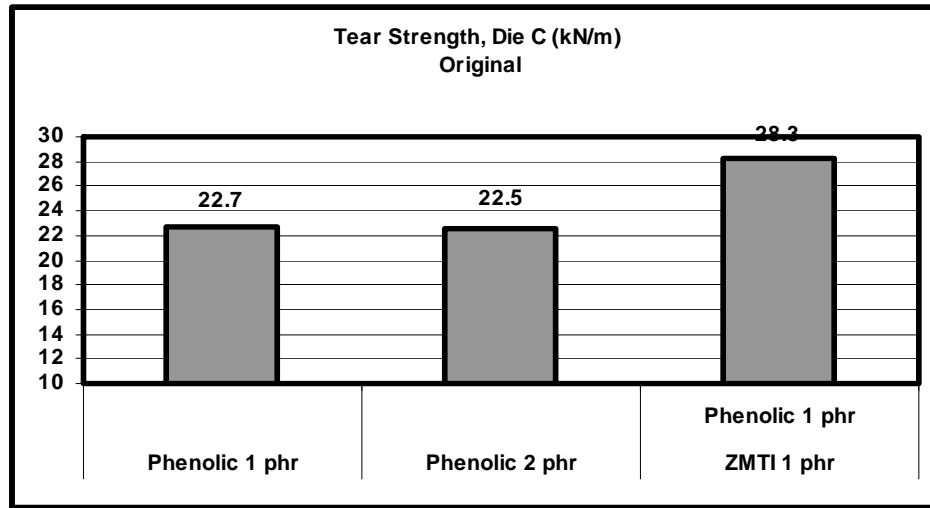
In addition to the above, **VANOX ZMTI** is known to produce a whiter and brighter product.

VANOX ZMTI Slurry is available as a 50% active dispersion with exceptional anti-settling characteristics.

Test Compound

	<u>DRY</u>	<u>WET</u>
41.5% Carboxylated Acrylonitrile Latex	100	241
DARVAN[®] WAQ Surfactant	1	3
60% ZINC OXIDE Dispersion	2	3.3
SETSIT[®] 104 Accelerator	---	1.5
50% METHYL TUADS[®] Dispersion	1	2
DARVAN SMO Surfactant	1	3
<u>Variables</u>		
50% Phenolic, AO	X	2X
50% VANOX ZMTI Slurry and Phenolic Antioxidant	X	2X

The compounds were cured 30 minutes at 141°C.



**For additional information regarding our
high quality minerals and chemicals,
please visit our website:**

www.rtvanderbilt.com

- Technical data sheets
- MSDS information
- Sample requests
- Specifications
- Product brochures
- Articles
- Presentations
- Reports