

VANDERBILT *Technical Data*

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VANOX[®] ZMTI Antioxidant Slurry
An Antioxidant Synergist
In NEOPRENE 750 Liquid Dispersion

With Phenolic Antioxidants

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The tear strength of NEOPRENE 750 films deposited from liquid dispersions is significantly increased when **VANOX ZMTI** is used as the antioxidant synergist in the compound. Both the original and the heat aged values are increased by approximately 25%, while their elongations are higher than those of films that contain only the phenolic antioxidant, whether at 1 or 2 phr. These higher heat aged values are important for determining the shelf life and expiration dates of latex products.

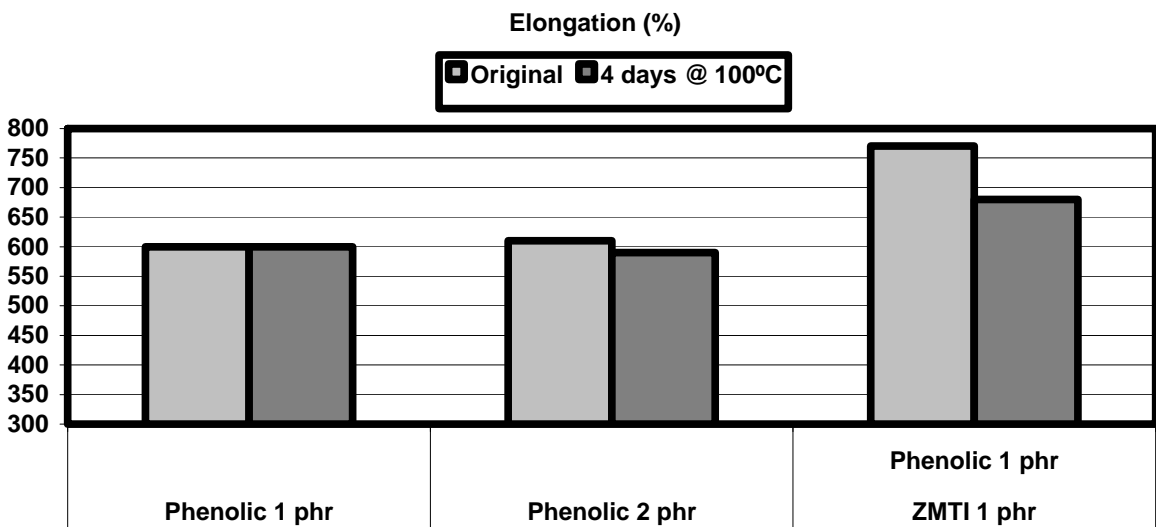
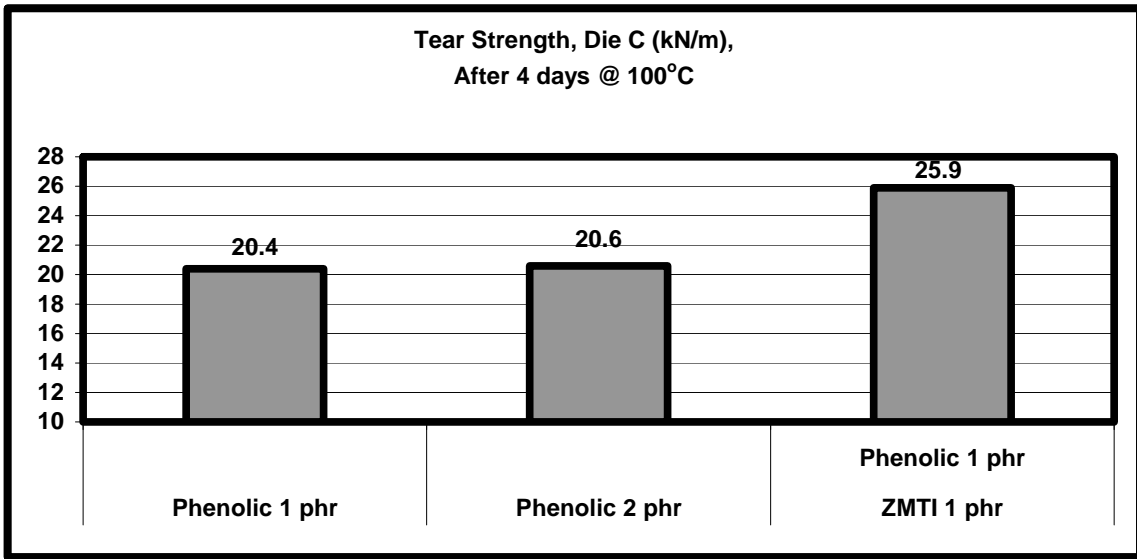
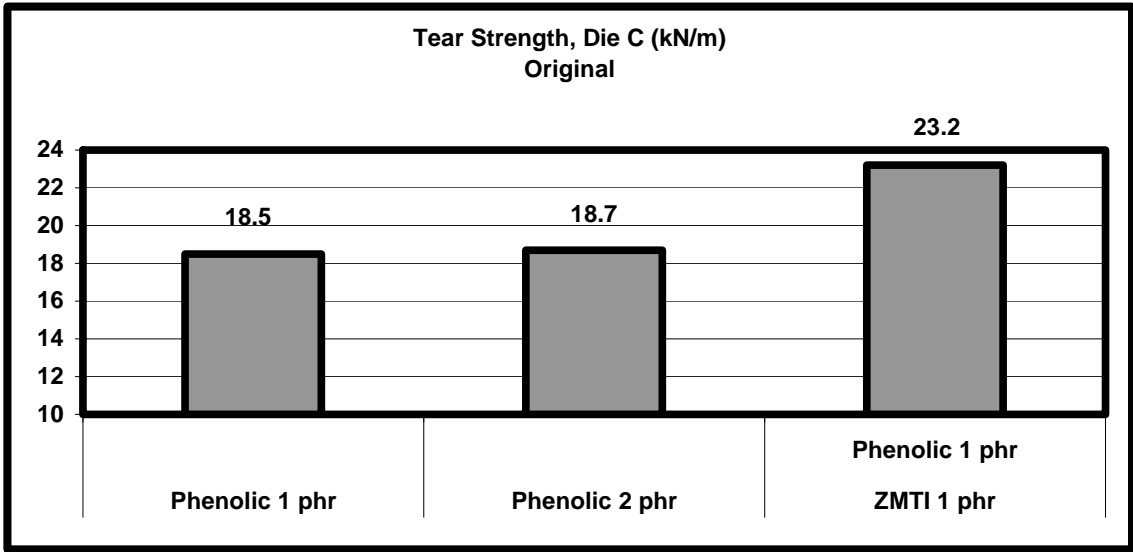
In addition, **VANOX ZMTI** is known to produce a whiter and brighter product.

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

Test Compound

	<u>DRY</u>	<u>WET</u>
50% NEOPRENE 750 Liquid Dispersion	100	200
DARVAN[®] WAQ Surfactant	1	3
60% ZINC OXIDE Dispersion	5	8.3
BUTYL NAMATE[®] Accelerator	---	1.5
50% METHYL TUADS[®] Accelerator	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 for 45 minutes at 141°C.



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high quality minerals and chemicals,
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