

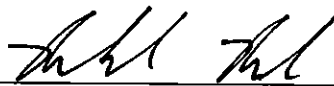
ANNUAL LABORATORY TEST REPORT

COMPOUND: VNC107E
COLOR: N/A
SPECIFICATION: GMW16084, Type 6, Grade E, Class B

ANNUAL REPORT DATE: 5/18/16
ORIGINAL LABORATORY REPORT DATE: 8/7/06
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DATA REPRESENTS ACTUAL LABORATORY TESTS AND REMAINS CURRENT FOR ONE YEAR

Test Freq.	Test Method	Spec. Range	Results
A	Hardness, Shore D 15 sec. delay ISO 868	60 ± 5	55
A	Specific Gravity, ISO 1183	1.20 – 1.40	1.37
A	Tensile Stress at Break, MPa ISO 527, Type 1A, 500 mm/min	16.5 min	28.5
A	Elongation at Break, %, ISO 527, Type 1A, 500 mm/min	75 max	174%
	Filler Content, ISO 3451-1 Method A	0 to 20%	15 (Calculated from Formula)
	Volatile Loss, ISO 176	3.0 max	1.3 (ASTM D1203)
	Mixed Fungal Resistance, GMW16128* ***	Pass	Pass (GM9328P)
	Pink Stain, GMW16124* ***	No Stain	No Stain (GM9303P)
	Asphalt Stain, 50% W/W Solution	1.5 Delta E max	NR
	Cold Flexibility, SAE J323, Method A Use Table 2 for mandrel size, 3.2 ± .02 Thickness	No Cracks	No Cracks (GM9503P)
	Properties After Heat Age Exposure, ISO 188, 168 h @ 85°C	± 25% Hardness, Tensile Stress at Break, Elongation at Break, No Tackiness	Hardness +0.3 % Tensile +3.2% Elongation -18.6%
	Accelerated Weathering Resistance, SAE J2527 with Extended UV Filters, 2500 kJ/m ² . Or ISO 4892-1, ISO 4892-2 – 3000 kJm ²	Delta E 3.0 max, 80% Gloss Retention After Exposure and Wash. No Objectionable Defects Allowed.	0.45 (Black) SAE J1960, 2500 kJm ²
	Outdoor Weathering (150,000 TNR Langleys),* ** GMW14873, Procedure 1 or Equivalent by Location.	Delta E 3.0 max, 80% Gloss Retention After Exposure and Wash. No Objectionable Defects Allowed.	0.62 (Black) (ASTM G7, 2 yrs Florida)

Approved by: 
 Richard Rabe, Ph.D., R&D Manager

* Test is outside our scope of accreditation.

** This test was performed by a subcontracted accredited testing laboratory.

*** This test was performed at supplier's biological laboratory.

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Additional information about testing may be found in the accreditation section on our website at www.vichem.com

Vi-Chem Corporation, 55 Cottage Grove, SW, Grand Rapids, MI 49507 Office (616) 247-8501 or (800) 477-8501, Fax (616) 247-8703

A = Vi-Chem tests annually.

All other tests are performed once at the time of the original lab report date.

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