



## Vi-Chem PVC VNC90-30I

**MATERIAL STATUS** Commercial: Active

**AVAILABILITY** North America

**FEATURES** Fungus Resistant, Sulfide Stain Resistant

**AUTOMOTIVE SPECIFICATIONS** GM GMW16084P-PVC Type 3, Grade I, Class B

PHYSICAL	NOMINAL VALUE	UNIT	TEST METHOD
Density / Specific Gravity	1.41	g/cm <sup>3</sup>	ASTM D792A ISO 1183/A
MECHANICAL	NOMINAL VALUE	UNIT	TEST METHOD
Tensile Strength	12.4	MPa	ASTM D638
Tensile Elongation (Break)	150	%	ASTM D638
ELASTOMERS	NOMINAL VALUE	UNIT	TEST METHOD
Tear Strength <sup>2</sup>	60.5	kN/m	ISO 34-1
HARDNESS	NOMINAL VALUE	UNIT	TEST METHOD
Durometer Hardness (Shore A, 15 sec)	89		ASTM D2240
THERMAL	NOMINAL VALUE	UNIT	TEST METHOD
Cold Flexibility (-30°C)	No Cracks		FLTM BN 102-01
AGING	NOMINAL VALUE	UNIT	TEST METHOD
Change in Tensile Strength in Air (80°C, 1000 hr)	2.2	%	ASTM D573
Change in Ultimate Elongation in Air (80°C, 1000 hr)	14	%	ASTM D573
Change in Mass in Air (80.0°C, 1000 hr)	-1.1	%	ASTM D573
FLAMMABILITY	NOMINAL VALUE	UNIT	TEST METHOD
Burning Rate (Self-Extinguishing)	100	mm/min	FMVSS 302



ADDITIONAL INFORMATION	NOMINAL VALUE	UNIT	TEST METHOD
Asphalt Stain - Delta E	1.36		GM 9689P
Color Stability			
--	4 AATCC		ISO 188
--	4 AATCC		ASTM D573
Florida Weathering - Delta E <sup>3</sup>	0.400		Shell Cup 2
Mildew Resistance	No apparent fungus attack		ASTM G21
Paint Staining <sup>4</sup>	No Stain		
Resistance to Sulfide	No Staining		ASTM D1712
Xenon Weatherometer - Delta E <sup>5</sup>	0.250		SAE J1960

**NOTES**

- <sup>1</sup> Typical properties: these are not to be construed as specifications.
- <sup>2</sup> Method B, Angle
- <sup>3</sup> SAE G7, 2 years
- <sup>4</sup> FLTM BP 153-01
- <sup>5</sup> 2500 kJ/m<sup>2</sup>

