



## Neoprene GNA M1 and GNA M2

### Sales Specification

#### Description:

A sulfur modified crystallization resistant Neoprene polymer stabilized with a thiuram disulfide and a secondary aromatic amine (staining). It is designed for general-purpose use where staining and discoloration are not important. Raw polymer stability is good. Excessive time and temperature of storage can cause a change in color, a change in viscosity, a decrease in scorch resistance, and a decrease in processability. The nominal specific gravity at 25/4°C (77/39.2°F) is 1.23.

Form and Color: Light yellow to tan chips

#### Requirements

<u>Property</u>	<u>Limits</u>	<u>Test Method</u>
1. Contamination	In keeping with good rubber practices	N200.2000
2. Volatile Loss, % After milling 6 minutes at 50°C (122°F)	1.3 maximum	N200.9500
3. Mooney Viscosity ML, 1'+4' at 100°C (212°F) GNA M1 GNA M2	42 - 54 47 - 59	N200.5700
4. Vulcanization Properties Formulation (mill mix) Neoprene Stearic Acid (Industrene 5016-double pressed) Magnesia (high activity grade - 'Maglite D') Zinc oxide ('Kadox 911')	100.0 0.5 4.0 5.0	N200.2020 (ASTM D 3190-91)
Mooney Scorch ML, 120°C (248°F) t5 - Minutes to 5 point rise	11.0 min.	N200.7460 (ASTM D 1646-91)
Moving Die Rheometer (MDR) Properties at 160°C (320°F) Scorch Time (ts1), minutes Optimum Cure Time (t'90), minutes Optimum Cure Torque (Mc90), dN.m.	1.6 - 3.6 2.1 - 7.6 7.5 - 12.5	N200.7405 (ASTM D 5289-93a)

#### Package

Static dissipative inclusion bag containing 25kg (55.125 lbs.) net weight.

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Contact Denka at the following location:

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**Denka Performance Elastomer LLC, 560 Highway 44, LaPlace, LA 70068**  
**Telephone: (985) 233-3080, FAX: (985) 359-4781**

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