

# SN-121

SN-121 is a general purpose sulfur modified polychloroprene rubber produced using a Nairit recipe and process technology. SN-121 has a low crystallization rate and can be seen as an equivalent to the GNA grade from DuPont.

## Properties and Characteristics

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SN-121 has good properties of physical mechanics, plasticization, and better compatibility in combination with other types. It has better processability, more mastication, mixing and extrusion when compared with CR-121. The surface sheet shows flat, smooth and smaller shrinkage, particularly for curing characteristics of the compound. SN-121 has the same processability as the DuPont GNA grade of the United States. SN-121 compounds exhibit quality resistance to oil, sunlight and chemicals, ozone and aging, processing of security and stability. Also typical are their good fire resistance and electrical properties.

## Correlation of SN-121 with Major Competitive Grades:

Shanna, China	DuPont, USA	DENKA, Japan	Lanxess, Germany
SN-121	GNA	PM- 40	710

## Specifications

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Property	Value
Appearance	Light yellow or amber chips; no solid impurities except talcum; no scorched particles
Specific Gravity	1.23
Mooney viscosity ML(1+4), 100°C	30 ~ 50
Mooney scorch MS <sub>t5</sub> (min)	≥ 25
Module at 500 % elongation (MPa)	2 ~ 5
Tensile strength (MPa)	≥ 23
Ultimate elongation (%)	≥ 850
Mass fraction of Volatiles (wt %)	≤ 0.8
Mass fraction of Ash (wt %)	≤ 1.0

\*According to standard Q/SNYF02.01-2009

## Applications

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SN-121 can be used in the manufacture of a wide range of products where oil resistance, heat resistance and/or fire retardant properties are required. It can be compounded to meet a range of special requirements. Specific examples for its intended use include: mining conveyor belts, power transmission belts, hoses, cable jackets, seals and wire sheathings.