

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

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

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 MSt5 (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

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.

