

SN-321

SN-321 is a general purpose, sulfur modified polychloroprene rubber stabilized with a thiram disulfide by using an advanced recipe and process technology developed in Shanna. SN-321 has a low crystallization rate and can be seen as an equivalent to the GW (M2) grade produced by Dupont.

Properties and Characteristics

SN-321 breaks down well, but as easily as the SN12X series, under mechanical shear to produce smooth compounds with little stickiness and low die swell. SN-321 shows improved heat resistance compared to compounds based on SN-12X series. It shows good compatibility with other rubbers. SN-321 has good processability and can be easily milled to reduce its molecular weight. Compounds of SN-321 cured with metal oxides alone cure rapidly and have excellent processing safety. SN-321 compounds exhibit good oil resistance, chemical resistance, ozone and aging resistance as well as the sunlight resistance qualities typical of polychloroprene. Also standard are its good fire resistance and electrical properties.

Correlation of SN-321 with Major Competitive Grades:

Shanna, China	DuPont, USA	Denka, Japan	Lanxess, Germany
SN-321	GW	DCR-40	510

Specifications

Property	Value
Appearance	Light yellow or amber chips; no solid impurities except talcum
Specific Gravity	1.23
Mooney viscosity ML(1+4), 100°C	37 ~ 49
Mooney scorch MSt5 (min)	≥ 30
Module at 500 % elongation (MPa)	2 ~ 5
Tensile strength (MPa)	≥ 22
Ultimate elongation (%)	≥ 800
Volatiles (wt %)	≤ 1.3
Ash (wt %)	≤ 1.0

*According to standard Q/SNYF02.14-2009

Applications

SN-321 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, damping pads, cushions, seals and sheathings of wire and cable.