



SBR

NIPOL SBR®, NIPOL SBR NS SERIES®

PRODUCT FEATURES

- Superior heat aging, abrasion, ozone and chemical resistance as well as fire retardant performance and gas penetrability compared to natural rubber
- Tensile strength and bending fracture resistance nearly identical to natural rubber

FOR MORE DETAILED INFORMATION PLEASE CONTACT OUR CUSTOMER SERVICE

NIPOL® SBR

The Nipol® SBR NS series is produced by solution polymerisation. Its structure is tightly controlled using an inorganic Lithium catalyst. Nipol® SBR NS series are used as rubbers for high performance tires that offer both, excellent grip performance and fuel efficiency at the same time. An interesting range of different grades is available differing in polymer structure and chain end modification to enhance specific polymer-filler interaction.

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Nipol® NS Series (Solution Polymerization, Non-Oil Extended)

TYPE	BOUND STYRENE (%)	MOONEY VISCOSITY*1	ANTI-OXIDANT	CHARACTERISTICS	USES
NS 116R	21.0	45	Non-staining	Well-balanced between wet skid resistance and resilience.	Tires, vibration insulators
NS 612	15.0	62	Non-staining	Best performance for silica application. Low styrene type for all-season tires.	Tires, vibration insulators
NS 616	21.0	62	Non-staining	Best performance for silica application. Well-balanced between wet skid resistance and resilience.	Tires, vibration insulators

*1 ML-4 at 100°C (212°F)

Nipol[®] NS Series (Solution polymerization, Oil extended)

TYPE	BOUND STYRENE (%)	MOONEY VISCOSITY*1	EXTENDED OIL (PHR) *2	ANTI-OXIDANT	CHARACTERISTICS	USES
NS 460	25	49	37.5	Non-staining	Excellent balance between high wet grip and Low fuel consumption performance	The tread rubber for high performance tire.
NS 522	39	62	37.5	Non-staining		

*1 ML-4 at 100°C (212°F)

*2 HA: Highly aromatic oil (In response to environmental issues, we changed the extender oil for oil-extended styrene-butadiene rubber to a low-hazardous substance.)

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