



# NITRIFLEX

Your partner  
for special  
polymers.

MARKETED BY  
**HARWICK STANDARD**  
DISTRIBUTION CORPORATION  
60 S. Seiberling Street • Akron, Ohio 44305

## Elastomers

NBR  
**NBR - Powder**  
NBR - PVC  
NITRICLEAN  
SBR COPOLYMERS  
NITRIGUM

## Latices

NITRILATEX

## Resins

NITRIFLOW P-120 AD3  
NITRIMPACT 1300  
NITRIMPACT M300 F3

## NBR - Powder

### Introduction

Powdered Nitrile Rubbers are highly polar, hot or cold polymerized, acrylonitrile butadiene copolymers that are later ground and covered with a partitioning agent. They are used as PVC modifying agents in thermoplastic compounds and also as a substitute for NBR in bags in order to increase productivity. Due to their polarity, the powdered nitrile rubbers offer great compatibility with flexible PVC.

### Table

TYPES	PARTITIONING AGENT	PARTITIONING AGENT CONTENT (%)	PARTICLES SMALLER THAN 1µm (%)	MAX. MOISTURE (%)	ACRYLONITRILE CONTENT (%)	MOONEY VISCOSITY MMIL (1+4) AT 100°C	APPLICATIONS
NP 1021	CaCO <sub>3</sub>	12	99	0.7	33	79	Very low water absorption rate. Low shrinkage.
NP 6021	CaCO <sub>3</sub>	12	99	0.7	33	80	Ideal for extruded products in general.
NP 6000	CaCO <sub>3</sub>	12	99	0.7	33	115	Extruded applications with excellent mechanical properties.
NP 1121	PVC	12	99	0.7	33	79	Very low water absorption rate. Low shrinkage.
NP 2183	PVC	12	99	0.7	32	38	Ideal for transparent PVC articles. Low shrinkage. Elastomer that confers high dimensional stability in injection, extrusion, calendering and thermoforming processes.
PDNP 3183	PVC	12	99	0.7	32	38	Extruded applications with excellent dimensional stability.
NP 2021	CaCO <sub>3</sub>	12	99	0.7	33	47	PVC plastifying agent and plastic impact modifier. Ideal for automotive and industrial hoses as well as for shoe soles and electrical cable applications.
NP 2130	CaCO <sub>3</sub>	12	99	0.7	39	57	Specially designed for applications in the o-ring/gasket/hose segment, requiring high resistance to oils and solvents.
NP 2150	CaCO <sub>3</sub>	12	99	0.7	39	88	Specially designed for application in the adhesive and special parts segment.
NP 2170	CaCO <sub>3</sub>	12	99	0.7	28	57	Designed for applications in the o-ring /gasket/hose segment, requiring high resistance to oils and solvents, and for applications that require low temperature resistance.
NP 2174	PVC	12	99	0.7	33	68	Applications that require moderate chemical resistance and excellent resistance to Ozone.
NPX 2235	Silica + Talc	12	95	2.0	27	48	Designed to satisfy stricter requirements in terms of final compound properties, offering greater hardness, optimal tensile strength and excellent abrasion resistance. Also increases consumers' productivity due to its low fouling characteristics. Due to its average to low content of combined acrylonitrile, it is ideal for the production of articles that require flexibility at low temperatures and moderate resistance to oils and solvents.

### Packaging

The Nitriflex Powdered Nitrile Rubbers are available in cardboard boxes containing 25-kilo packages, internally protected with polyethylene. Each pallet takes approximately 675 kg.