

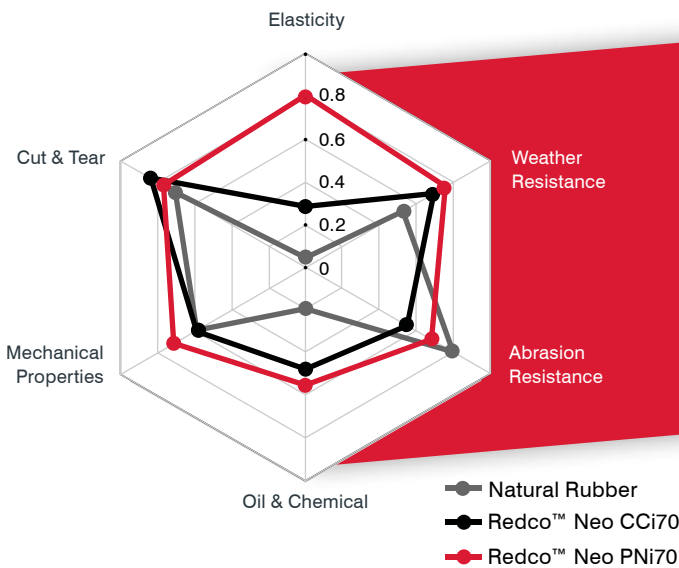


Redco™ Neo PNi70

TECHNICAL DATA SHEET

A premium grade of Neoprene™ Rubber reinforced with 1 or 2 plies of nylon textile insert. Utilized where the wide range of excellent physical properties and good weatherability of Neoprene™ rubber is required with additional resistance to tear initiation and propagation. Our premium grade is ASTM tested and yields a higher Mullen Burst pressure than Redco™ Neo™ CNI Commercial Grade.

COLOUR: BLACK
DUROMETER: 70A
DESIGNATION: CR, Neoprene™ (PolyChloroprene Rubber)
SHAPES: Sheet, strips
SIZES: 1/16" through 1/4" thick



Where good mechanical properties and weatherability are required for:

- ▶ Diaphragms
- ▶ Weatherstripping
- ▶ Seal strips & caulking material
- ▶ Curtains, skirts, boots & aprons
- ▶ Gaskets, grommets & washers for electrical applications
- ▶ Engineered projects

CORE ADVANTAGES:

- ▶ Excellent resistance to tear initiation & propagation, abrasion & flex cracking
- ▶ Very good resistance to temperature, ozone and natural aging
- ▶ Flame retardant
- ▶ Moderate resistance to aliphatic hydrocarbons (paraffins, vegetable oils, animal fats)
- ▶ Very good resistance to alkalis, acids & organic chemicals

LIMITATIONS:

- ▶ Does not resist majority of organic compounds including aromatic and oxygenated solvents
- ▶ Important to check product specifications to ensure material desired is material supplied as there are a wide range of grades in Neoprene™
- ▶ Limited performance at low temperatures, below -15°C



Weather Resistant



Strong



Cut & Tear Resistant



Oil Resistant

Redco™ Neo PNi70

PROPERTY	SPECIFICATION	UNIT	TYPICAL VALUE
Durometer (Hardness)	ASTM D 2240	Shore A	70 +/- 5
Specific Gravity	ASTM D 792	g/cc	1.41
Tensile Strength	ASTM D 412	PSI	1400
Ultimate Elongation	ASTM D 412	%	250 min.
Compression Set 22 hr @ +100°C	ASTM D 395, Method B	%	35 max.
Temperature Range		°C (°F)	-29° to +100°C (-20° to +212°F)
Ozone Resistance 70 hrs @ +100°C	ASTM D 1171		No Cracking
Burst Test	Mullen (1-ply)	PSI	800 min.
Temperature Aging 70 hrs @ +100°C	ASTM D 573		
Durometer (Hardness)		Δ Shore A	+/-15
Tensile Strength		%Δ	-15% max.
Elongation		%Δ	-40% max.
Oil Aging 70 hrs @ +100°C	ASTM D 1171		
Durometer (Hardness)		Δ Shore A	+/-10 max.
Tensile Strength		%Δ	-70% max.
Elongation		%Δ	-55% max.
Volume		%Δ	+125% max.

Unless otherwise stated, all Redco sheet rubber is provided to standard RMA Rubber Tolerances.

CHEMICAL RESISTANCE

COMPOUND	RESULT
Acid	Good
Alkali	Good
Gas & Oil	Good
Aromatic Hydrocarbons	Average
Ketones	Poor
Chlorinated Solvent	Poor
Steam	Average
Flame	Good
Oxidation	Very Good
UV	Very Good
Ozone	Very Good

ASK US about our custom cutting, stamping and fabricating services.

All sheet rubber products are available in many formats, including:

- ▶ **Full rolls**
- ▶ **Blocks**
- ▶ **Sheets**
- ▶ **Custom-fabricated**
- ▶ **Cut- to-size strips**
- ▶ **Die-cut parts**

Redwood Plastics and Rubber offers a quick-ship process for in-stock sheet orders in as little as 24 hours if required.

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