



FOOD CONVEYOR SKIRT-BOARD



Redco™ NBR™ P60, P60FDA

TECHNICAL DATA SHEET

A premium Nitrile copolymer blend, modified with higher acrylonitrile (ACN) content to increase its resistance to oils, fuels and increase the physical properties.

Originally intended for engineered gaskets, washers and seals due to its chemical & oil resistance, Redco™ NBR™ is also ideal for demanding machinery components where oil resistance is critical.

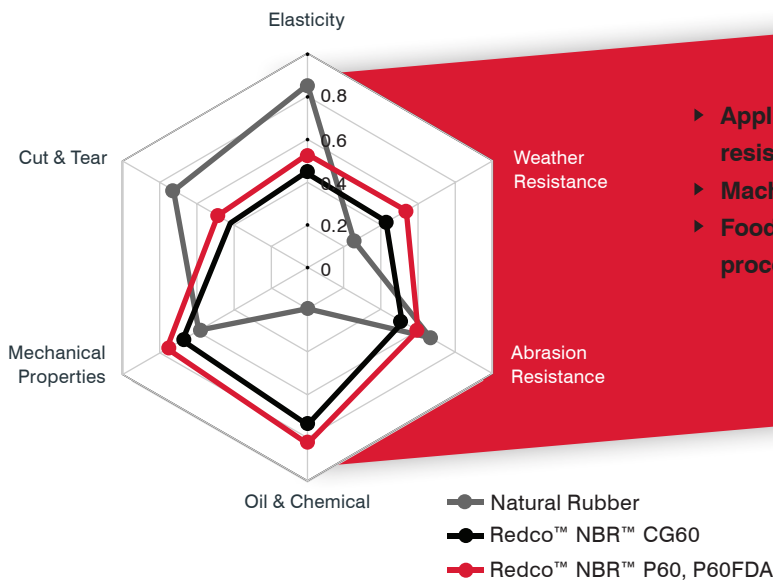
COLOUR: BLACK or FDA White

DUROMETER: 60A

DESIGNATION: NBR: Nitrile, Buna-N

SHAPES: Sheet, strips

SIZES: 1/16" through 1" thick



- ▶ Applications where oil resistance is a concern
- ▶ Machinery gaskets
- ▶ Food and pharmaceutical processing parts

- ▶ Heat & oil resistant parts
- ▶ Hoses & sleeves

CORE ADVANTAGES:

- ▶ White grade is available as FDA compliant
- ▶ Resistant to oils
- ▶ Can be formulated for relatively high temperatures
- ▶ Good mechanical properties for flex, compression and traction
- ▶ Impermeable to gases
- ▶ Good resistance to most inorganic chemicals, aliphatic hydrocarbons & solvents
- ▶ Very good resistance to alkalis & acids

 **Oil Resistant**

 **Chemical Resistant**

 **Food Safe**

 **High Temperature Resistant**

 **Low Gas Permeability**

Redco™ NBR P60, P60FDA

PREMIUM GRADE NITRILE RUBBER



PROPERTY	SPECIFICATION	UNIT	TYPICAL VALUE	
			P60	P60-FDA
Durometer (Hardness)	ASTM D 2240	Shore A	60 +/-5	60 +/-5
Specific Gravity	ASTM D 792	g/cc	1.15	1.4
Tensile Strength	ASTM D 412	%	350	300
Ultimate Elongation	ASTM D 412	%	150	5-9
Temperature Heat Aging A) 70 hr @ +70°C ASTM D 573				
Durometer (Hardness)		Δ	+/- 15 max.	+/- 15 max.
Tensile Strength		%Δ	- 30% max.	- 30% max.
Ultimate Elongation		%Δ	- 50% max.	- 50% max.
Compression Set - 22 hr @ +70°C	ASTM D 395, Method B	%Δ	25	50
Temperature Range			-40° to +93°C (-40° to +200°F)	-40° to +93°C (-40° to +200°F)
Oil Aging (#3) 70 hr @ +100°C ASTM D 471				
Durometer (Hardness)		Δ	-10 to +5	—
Tensile Strength		%Δ	- 45% max.	—
Elongation		%Δ	- 45% max.	—
Volume		%Δ	+ 25% max.	60% max.
Fluid Resistance (Fuel A) 70 hr @ +23°C ASTM D 471				
Tensile Strength		Δ	+/- 10 max.	—
Elongation		%Δ	- 25% max.	—
Volume		%Δ	+ 10% max.	—

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PREMIUM GRADE NITRILE RUBBER



PROPERTY	SPECIFICATION	UNIT	TYPICAL VALUE	TYPICAL VALUE
			P60	P60-FDA
Fluid Resistance (Water) 70 hr @ +100°C				
	ASTM D 471			
Durometer (Hardness)		Δ	+/- 10 max.	—
Volume		%Δ	15% max.	—
Fluid Resistance (Diesel) 70 hr @ +23°C				
	ASTM D 471			
Volume		%Δ	3% max.	—

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

CHEMICAL RESISTANCE

COMPOUND	RESULT
Acid	Excellent
Alkali	Excellent
Gas & Oil	Good
Aromatic Hydrocarbons	Fair
Ketones	Fair
Chlorinated Solvent	Poor
Steam	N/R
Oxidation	Excellent
UV	Good
Ozone	Excellent

ASK US about our custom cutting, stamping and fabricating services. All sheet rubber products are available in many formats, including:

- ▶ Full rolls
- ▶ Sheets
- ▶ Cut- to-size strips
- ▶ Blocks
- ▶ Custom-fabricated
- ▶ 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.