



# Redco™ CC NEO

## TECHNICAL DATA SHEET

The Redco™ CC NEO proprietary blend of chloropene and other polymers are formulated for the automobile industry and offer a wide range of properties, including resistance to weathering, flex, compression and cracking.

**FORMAT:** Available in sheets, strips and rolls from 1/16" thick to 2" thick.  
**COLOR:** Black  
**DUROMETER SHORE 00:** 45  
**DESIGNATION:** 2A1 (SCE-41)

### SAMPLE APPLICATION

A family-owned fruit company was losing profits when product was hitting the exposed ridges of their shaker, bruising them and making them unsellable.

A Redco™ CC NEO layer was placed on the ridges to protect the fruit from impact. Our customer is now able to sell much more product than before and save costs.



### CORE APPLICATIONS

- ▶ Closed cell structure resists liquid and dust permeation
- ▶ Flame resistant
- ▶ Resistant to weathering and aging
- ▶ Light weight
- ▶ Non-staining

### TYPICAL APPLICATIONS

- ▶ Used in vibration dampening, weatherproofing & surface protection in automotive and industrial applications.
- ▶ Roll-covers
- ▶ Light-duty bumpers
- ▶ Used as tapes, pads, seals and gaskets
- ▶ Used in insulation



**Weather Resistant**



**UV Resistant**



**Oil Resistant**



**Fire Resistant**



**Non-Conductive**

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## Technical Data Sheet

PROPERTY	SPECIFICATION	UNIT	TYPICAL VALUE
Density	ASTM D 1056	Kg/m <sup>3</sup> (lb/ft <sup>3</sup> )	96 ± 32 (6 ± 2)
Durometer Shore 00 (Hardness)	ASTM D 2240		45 ± 5
Compression Deflection (25%)	ASTM D 1056	PSI (kPa)	3.5 ± 1.5 (24 ± 10)
Compression Set (Room temp)	ASTM D 1056	%	≤ 40%
Tensile Strength	ASTM D 412	PSI (kPa)	75 (520)
Tensile Elongation	ASTM D 412	%	125%
Tear Strength	ASTM D 624	kN/m (lb/in)	1.7 (9.6)
Resilience	ASTM D 2632	%	35%
<b>Service Temperature °C (°F)</b>			
Low	ASTM D 746	°C (F)	-40°C (-40°F)
High Continuous	ASTM D 746	°C (F)	+93.3°C (+200°F)
High Intermittent	ASTM D 746	°C (F)	+121.1°C (+250°F)
<b>Water Absorption</b>			
Maximum Weight Change	ASTM D 1056	%	<10%
<b>Fluid Immersion (7 Days at 23°C [73.4°F])</b>			
ASTM Ref. Fuel B, Weight Change (%)	ASTM D 1056	%	Not Applicable
<b>Accelerated Aging (7 Days @ +70°C [+158°F])</b>			
Flexibility (180° Bend without cracking)	ASTM D 1056		Pass
Appearance change	ASTM D 1056		None
Change in Compressive Deflection	ASTM D 1056	%	± 30%
<b>Combustion Characteristics</b>		<b>Thicknesses</b>	<b>Comments</b>
FMVSS-302		.098" (2.5 mm) & higher	Pass
UL 94			
HF -1		.059" (1.5 mm) & higher	Listed, UL file # QMFZ2.E55798

ASTM D 1056 designation: 2A1

SAE J 18 APR2002 designation: 2A1

ASTM 6576: Type II, Grades A, B & C, Condition Soft

Additionally UL Listed to: UL 48, UL 50E, and UL 508 (UL file# JMLU2: MH250062)

EPDM = (ethylene-propylene-diene-methylene)

SBR = styrene-butadiene rubber

Neoprene = polychloropene (CR = chloropene rubber)