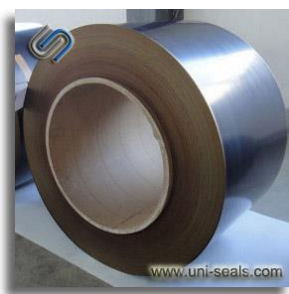
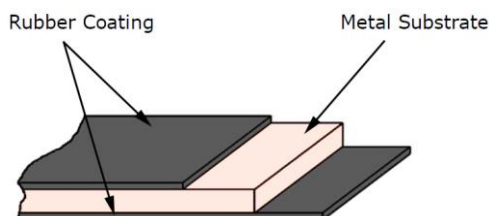


Rubber Coated Metal Coil Sheet**Rubber coated metal coil sheet**

Rubber coated metal sheet (RCM sheet) is made from metal substrate coated with thin NBR rubber or other rubber layers through advanced processing technology.

A continuous length RCM coil sheet is made from an entire coil of metal sheet through a series of treatments and rubber coating process automatically and continuously in our special production line.

**Properties & Applications:**

The RCM sheet has good sealing performance, good anti-squeal performance, excellent chemical resistance and anti-aging properties, and good machinability.

It is widely used as gasket material for engines, compressors, refrigerating machines, and as anti-squeal shim material for braking system.

Product Identification Guide:

Style number example: NCN3020

N	C	N	30	20
Rubber coating	Metal substrate	Rubber coating	Overall thickness	Metal thickness
N = NBR rubber	C = Carbon steel	N = NBR rubber	30 = 0.30mm	20 = 0.20mm
F = FKM rubber	S = Stainless steel	F = FKM rubber		
Q = Silicone rubber	A = Aluminum	Q = Silicone rubber		
A = Acrylic rubber		A = Acrylic rubber		

Normal Dimensions:

Metal substrate thickness: 0.2~0.4mm.

Rubber coating thickness: 0.02~0.08mm.

Maximum width: 800mm/600mm.

Length: 300~500 meters per roll.

RCM Sheets for Anti-Squeal Shims

RCM sheet is a good anti-squeal shim material for braking system. After machined and punched to desired shapes, the anti-squeal shims can be affixed to the steel backing plate directly.

Our various styles of double-sided and single-sided rubber coated metal sheets can meet different application requirements from various customers.

A typical sheet type for this application is one side coated with rubber, and the other side coated with antirust layer and then attached with a pressure-sensitive adhesive layer.

Typical Styles:

Style	Overall thickness	Metal substrate		Rubber coating	
		Material	Thickness	Material	Thickness
NCN4640	0.46mm	SPCC-1	0.40mm	NBR	0.03mm per side
NC4640	0.46mm	SPCC-1	0.40mm	NBR	0.06mm one side
NCN4640A	0.46mm +Adhesive	SPCC-1	0.40mm	NBR	0.03mm per side
NC4640A	0.46mm +Adhesive	SPCC-1	0.40mm	NBR	0.06mm one side

Other materials and thicknesses are also available on request.

RCM sheet NCN4640

Metal substrate (SPCC-1) thickness: 0.40mm.

NBR rubber coating thickness (each side): 0.03mm.

Overall thickness: 0.46±0.04mm.

Maximum width: 800mm (net width: approx. 785mm).

Specifications:

Item	Testing condition	Result
Metal substrate	Vickers hardness tester	≥200HV
Appearance	Visual inspection	Smooth surface, no impurities, no blistering
Pencil hardness	Pencil hardness tester	Above 2H
Coating adhesion	Adhesion test by scratch	Above grade 2
Peel strength	Peel force tester	>4.9Mpa
Impact test	205°C, 60s	No cracking, no shedding
Bending test	Scratching 180-degree arc surface with a knife	No cracking
High temperature test	300°C, 20min	No cracking
Resistance to salt spray	240h	No bubbles, no shedding
Resistance to #901 oil	150°C, 5h	Weight increase ≤2%
		Thickness increase ≤2%