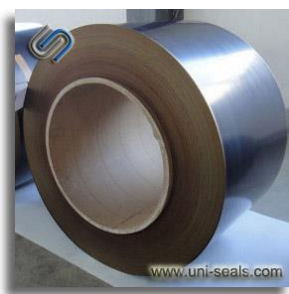


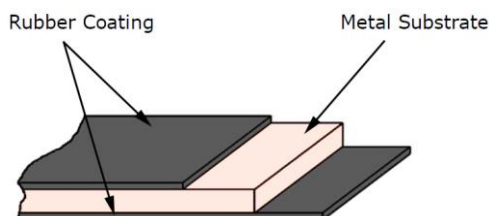
Rubber Coated Metal Coil Sheet



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 Sealing Gaskets

RCM sheet has excellent heat resistance, oil resistance and antifreeze resistance property. It can ensure good sealing performance even under harsh working environment in the engine. Therefore, RCM sheet is often selected as oil or water sealing gasket material for engines.

Typical Styles:

Style	Overall thickness	Metal substrate		Rubber coating	
		Material	Thickness	Material	Thickness
NSN2520	0.25mm	SUS301	0.20mm	NBR	0.025mm per side
NSN3025	0.30mm	SUS301	0.25mm	NBR	0.025mm per side
NSN3825	0.38mm	SUS301	0.25mm	NBR	0.065mm per side

Other materials and thicknesses are also available on request.

RCM sheet NSN2520

Metal substrate (SS301) thickness: 0.20mm. NBR rubber coating thickness (each side): 0.025mm. Overall thickness: 0.25±0.04mm. Maximum width: 600mm (net width: approx. 590mm).

RCM sheet NSN3025

Metal substrate (SS301) thickness: 0.25mm. NBR rubber coating thickness (each side): 0.025mm. Overall thickness: 0.30±0.04mm. Maximum width: 600mm (net width: approx. 590mm).

RCM sheet NSN3825

Metal substrate (SS301) thickness: 0.25mm. NBR rubber coating thickness (each side): 0.065mm. Overall thickness: 0.38±0.04mm. Maximum width: 600mm (net width: approx. 590mm).

Specifications:

Item	Testing condition	Result
Appearance	Visual inspection	Smooth surface, no impurities, no blistering
Pencil hardness	Pencil hardness tester	H~3H
Coating adhesion	Adhesion test by scratch	Above grade 2
Heat resistance	150°C, 24h	No shedding, no blistering
Anti Fluid properties:		
In #903 oil	150°C, 5h	Weight change ≤3% Thickness change ≤12%
In H ₂ O:(CH ₂ OH) ₂ =1:1	100°C, 72h	
In R134a	RT	
In R134a+#68 oil	RT	
In ASTM fuel B	RT, 22h	
Mechanical properties:		
Compressibility	ASTM F-36	≤5%
Recovery	ASTM F-36	≥50%
Creep relaxation	ASTM F-38, 100°C, 22h	≤10%