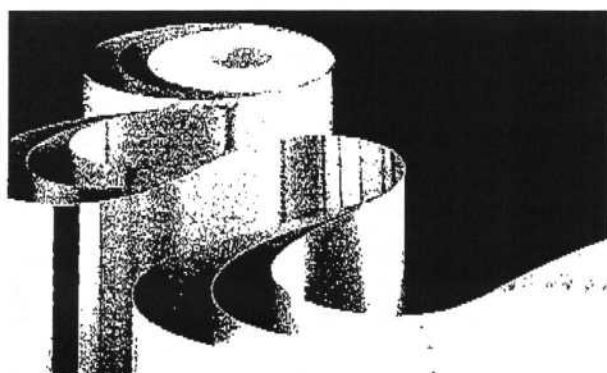




# Novelis 4015A Special Purpose Aluminum Sheet



Novelis 4015A can readily be substituted for 3105 in most applications. And with recycled content greater than 90%, this Novelis alloy supports your green initiatives. Novelis 4015A aluminum is produced and certified in accordance with Federal Specification ASTM B209.

## Applications:

- Building and construction
- Residential siding, downspouts, soffit and fascia
- Mobile homes & trailers
- Signage
- General industrial applications

## Chemistry

Element	Max (unless noted)
Silicon	1.4 - 2.2
Iron	0.7
Copper	0.35
Manganese	0.6 - 1.2
Magnesium	0.10 - 0.50
Chromium	0.05
Zinc	0.20
Titanium	0.05
Others, Each	0.05
Others, Total	0.15
Aluminum	Remainder

## Novelis Advantages:

- Leading position in R&D and product development
- Excellent technical support and responsive customer service
- Worldwide leader in aluminum fabrication
- Proven leader in industrial and commercial applications

Available in mill finish or painted.

## Formability:

Formability equivalent to 3105. R/t performance dependent upon gauge. For H2X it can be approximated as:

Gauge	Bend Test
0.02" - 0.04"	0T

## Product Availability:

Temper	Gauge Range	Width Range
O	0.010" - 0.325"	72" max.
H1X	0.010" - 0.190"	72" max.
H2X	0.010" - 0.190"	72" max.

## Physical Properties: Typical Values

Density	2,710 kg/m <sup>3</sup> / 0.098 lb/in <sup>3</sup>
Melting Point	635°C
Modulus of Elasticity	Approx. 70 GPa
Electrical Resistivity	23-29 x 10 <sup>-8</sup> ohm-m
Thermal Conductivity	150-200 W/mK
Thermal Expansion	24 x 10 <sup>-6</sup> /K

## Novelis 4015A Mechanical Properties

(3105, for reference purposes)

Temper*	UTS in ksi	YS in ksi	Elongation
O	18 (17)	8 (8)	27% (24%)
H18	35 (31)	31 (28)	4% (3%)
H24	24 (25)	21 (22)	12% (10%)
H26	26 (24)	25 (24)	12% (9%)

\* Other tempers available by inquiry.

4015A = typical Novelis; 3105 per Aluminum Association