Advantages of GNEE 8011 aluminum foil

The exceptional physical characteristics, superb surface quality, and steady processing performance of GNEE's 8011 aluminum foil set it apart as one of China's top aluminum processing companies. It works incredibly well in a variety of applications, such as air conditioner heat exchangers, bottle cap materials, food packaging, and pharmaceutical packaging.

Outstanding mechanical capabilities

For a variety of uses, GNEE provides high-strength 8011 aluminum foil that is dependent on the annealing temper (O, H18, H22, etc.):

Maximum tensile strength of 125 MPa
10% elongation is perfect for embossing, laminating, and deep drawing.
High forming efficiency and dependable bottle cap sealing are guaranteed by stable yield strength.

Tight tolerance control and high dimensional precision

GNEE guarantees accurate control of thickness and width errors because to its sophisticated rolling and cutting equipment:

Tolerance for thickness within ±2%
Deviation in width of less than ±0.1 mm
Custom measurements between 0.006 mm and 0.2 mm are available.
Excellent quality of surface
GNEE provides superior surface finishes with two forms of assurance: automatic inspection methods and manual rechecking.

high surface gloss and more than 85% mirror brightness
minimal number of pinholes—the finished product can have 0 pinholes/m² (diameter < 0.3 mm).
Devoid of wrinkles, black spots, oil stains, and alien inclusions

Strong adherence and a high dyne level

GNEE considerably increases surface tension by using exact corona treatment and degreasing procedures:

52 dyn/cm is a dye value that is significantly higher than industry norms.
significantly increases coating, lamination, and printing adherence while avoiding peeling and delamination.
Complete degreasing to ensure compatibility with the method
Advanced continuous annealing and degreasing technology is used by GNEE:

A residual oil content of less than 0.005 mg/cm²
ensures surfaces in subsequent processes are free of bubbles and resistant to peeling, and it works with a variety of adhesive systems.
Consistent coil quality
Trimmed edges with burrs kept to less than 20 μm
A flat end face with no collapsed edges and the right winding tension
76 mm and 152 mm steel or paper cores are available, and they work with a variety of devices.