



Dimensions and Tolerances

Thickness: from 0,030 to 0,180 mm **Tolerances** (according to AFCO designations):
Single gauging: +/-8%
Average: +/-8% For lots up 3000 Kg
 +/-6% For lots from 3000 to 10000 Kg
 +/-4% For lots >10000 Kg

Camber: 2mm/2m
Surface: typical mill-finish (Roughness Ra 0,15 - 0,30µm)
 On request bright-finish (Roughness Ra <0,10µm)

Width: from 100 to 1100 mm **Width Tolerances:**
 From 100 to 350 mm +/-0,3 mm
 From 350 to 1000 mm +/-0,5 mm
 >1000 mm +/-1,0 mm

Coil Dimensions

I.D.	Crdboard core	Steel core	O.D. (Max)	Typical O.D.
70mm	no	yes	1450 mm	1020-835-730-650-590
75mm	no	yes	1450 mm	1020-835-730-650-590
150mm	yes	yes	1470mm	1030-850-740-660-610
300mm	yes	no	1500mm	1075-900-800-730-680
400mm	yes	no	1550mm	1110-940-845-780-735

Typical alloys

Chemical composition (according to A.A. designation) in percent maximum unless shown as a range or a minimum

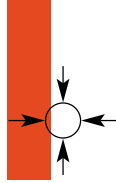
Alloy	Fe %	Si %	Cu %	Mn %	Mg %	Zn %	Ti %	Others		Al
								each	total	
3003	0,70	0,60	0,05-0,20	1,0-1,5		0,10	0,10	0,05	0,15	balance
3004	0,70	0,30	0,25-1,0-1,5	0,80	1,30	0,25	-	0,05	0,15	balance
3005	0,70	0,60	0,30	1,0-1,5	0,20-0,60	0,25	0,10	0,05	0,15	balance
8006	1,2-2,0	0,20	0,05	0,5-0,8	0,05		0,05	0,05	0,15	balance
8011S	0,6-1,0	0,5-0,9	0,20	0,10	0,10	0,10	0,08	0,05	0,15	balance

Physical Properties

Alloy	Density (g/cm ³)	Mod. Elasticity (MPa)	Thermal Cond. -0-100°C (W/m°C)	Specific Heat (J/kg°C)
3003	2,73	69000	180	935
3004	2,72	69000	163	935
3005	2,73	69000	166	935
8006	2,71	69000	190	940
8011S	2,72	69000	190	940

Mechanical Properties

Merely as a Guide



Alloy	Temper	Thickness (µm)		Rm	Rp02	Elongation	Erichsen	Typical Uses
		from	to	(N/mm ²)	(N/mm ²)	A100 (%)	(mm)	
8011S	0	30	80	85-40	45-80	>12	-	Bakery, lids
8011S	0	80	140	85-110	45-80	>15	>6,0	Smooth-wall containers for air-lines, ash-trays
8006	0	50	100	100-130	50-90	>15	>6,0	Multi-compartment containers
3003	H22	40	65	120-140	80-120	>10	>5,0	Deep containers
3003	H22	65	100	120-140	80-120	>12	>5,5	"
3003	H24	40	65	135-170	110-150	>8	>4,0	Standard containers
3003	H24	65	100	135-170	110-150	>10	>4,5	"
3003	H26	35	65	150-180	130-160	>5	>3,5	Folder containers
3004	0	40	65	150-170	>140	>10	>5,0	"Stiff" deep containers
3004	0	65	80	150-170	>140	>12	>5,5	"
3004	H24	40	65	190-220	>170	>6	>3,5	"Stiff" shallow containers and folder containers
3004	H24	65	80	190-220	>170	>8	>4,0	"
3005	0	50	100	125-140	>80	>12	>5,0	Tea-light caps
3005	0	140	180	125-140	>80	>15	>5,5	Trays

Semi-rigid Packaging



Coating Properties

Containers for air-lines and lids

Coating:

Epoxy F.D.A. or B.G.A. approved.

Colour:

Internal - White - colourless External - Any. Also available with tailor made design up to 4 colours.

Ash-trays

Coating: Vinyl

Colours: Any

Containers for pastes, coffee-cream, marmelades

Can

Internal - Primer + sterilizable cating without porosity after drawing.

External - Sterilizable epoxy protective coating.

Lids

Internal - Heatsealable coating.

External - Sterilizable protective coating suitable for two-component inks printing.

Containers for patés and pet-food

Can

Internal - Lined with polypropylene.

External - Epoxy FDA or BGA approved (any colour).

Lid

Internal - Heatsealable coating.

External - Protective coating compatible with printing inks.

Containers and lids for frozen food

Containers

Double - side coating with FDA or BGA approved epoxy coating (any colour)

Lids

Lined with heatsealable film for hermetic sealing.

