



1. PURPOSE:

1.1 To inform both current and future scrap aluminum suppliers of the requirements that Alcoa places on their vendors. The main points of this specification (i.e., water/moisture, closed tubes, contamination, etc.) have been established to ensure the safety of our personnel, plants, and equipment. Your adherence to this specification is a requirement for remaining an approved supplier.

2. SCOPE:

2.1 Applies to all scrap purchased from approved suppliers by Alcoa Materials Management (AMM) acting not as principle but as an agent for Alcoa Mill Products and Alcoa Rigid Packaging Division. All purchases are subject to final approval by Alcoa plants.

Alcoa Materials Management

1100 Riverview Tower
900 S. Gay Street
Knoxville, TN 37902

	<u>Telephone</u>	<u>Fax</u>	<u>Email Address</u>
Richard V. Markiewicz	(865) 594-4710	(865) 594-4970	Rich.Markiewicz@alcoa.com
Nick A. Badgett	(865) 594-4776	(865) 594-4970	Nick.Badgett@alcoa.com
Robert T. Gately	(865) 594-4966	(865) 594-4970	Robert.Gately@alcoa.com
Cindy J. Thompson	(865) 594-4992	(865) 594-4970	Cindy.Thompson@alcoa.com

Manager Secondary Metal Services

1100 Riverview Tower
900 S. Gay Street
Knoxville, TN 37902

	<u>Telephone</u>	<u>Fax</u>	<u>Email Address</u>
Steve Behnke	(865) 594-4972	(865) 594-4970	Stephen.Behnke@alcoa.com

Metals Planning and Purchasing Manager (RPD)

North Administration Building
2300 Write Road
Alcoa, TN 37701

	<u>Telephone</u>	<u>Fax</u>	<u>Email Address</u>
Pam McNealy	(865) 977-3911	(865) 977-2322	Pam.McNealy@alcoa.com

3. GENERAL INFORMATION:

3.1 DEFINITIONS:

3.1.1 Written agreement to this specification must be received by Alcoa Materials Management from the supplier prior to the purchase of material. Any deviation must be approved in writing by Alcoa plants.

3.2 REFERENCES:

- 3.2.1 Table – Alcoa Summary of Scrap Packages.
Scrap suppliers refer to the Summary of Scrap Packages for specific information about types of scrap and packaging accepted by each Alcoa facility.
- 3.2.2 Attachment (1) Defective Material Report (DMR) Form
Attachment (2) Example of Packaging List
Attachment (3) Alcoa Rigid Packaging RSI Specification

4. SHIPPING SPECIFICATION:

4.1 RECEIVING HOURS:

- 4.1.1 Purchased scrap will be received by appointment only. Delivery appointments must be scheduled with each Alcoa facility as noted on the Summary of Scrap Packages table.
- 4.1.2 A specific appointment date, time, and appointment number will be given for each truckload of scrap. Shipments that arrive before or after their appointment time will be unloaded during the next available appointment time. Appointments are also required for delivery of RSI sows unless otherwise specified. Appointments can be made 24 hours per day, 7 days per week at <http://www.alcoa.com/lmk/escrap> or by contacting the location personnel named in this document on page 7.
- 4.1.3 Notice of three (3) business days is required for cancellation of delivery appointments. If a truck doesn't call or show for an appointment, the vendor will be charged \$200.00.

4.2 SHIPPING REQUIREMENTS:

- 4.2.1 All suppliers delivering purchased scrap must ensure that metal is dry and free of contamination. All open top trucks and loads of RSI sows must be tarped unless otherwise specified. Wet loads of scrap will be rejected.
- 4.2.2 All trucks must be capable of being unloaded from our docks from the rear with forklift equipment. RSI sows delivered on flatbed trucks must be capable of being unloaded from the side with forklift equipment. Any trucks with bad floorboards are subject to rejection.
- 4.2.3 All orders must be delivered within thirty (30) days or as specified on the purchase order. If a load of scrap is not delivered within the specified time stated on the purchase order, it will be at Alcoa's discretion whether to cancel the purchase order.

4.3 WEIGHT:

- 4.3.1 All trucks delivering purchased scrap must weigh trailers on Alcoa plant scales. If delivery is made on a straight truck vs. tractor-trailer, it is to be noted on the scale ticket and the driver and any riders must be out of the truck and off of the scale.
- 4.3.2 The net weight of each load, after deducting tare weight (pallets, boxes, banding, etc.) from the scale ticket, is compared with the vendor's manifest and packing list. Piece counts (number of boxes, bales, bundles, etc.) must match. Any weight discrepancies in which piece counts do not match those on the vendor's manifest will result in the load being held within the plant and the vendor being notified immediately.
- 4.3.3 Purchase orders of 200,000 lb. or less will be considered complete when the received

net weight is +/- 10% of the total quantity ordered. Purchase orders of 200,001 lb. or more will be considered complete when the received net weight is within 20,000 lb. of the total quantity ordered.

4.3.4 Alcoa will pay based on received net weights as determined by each plant.

4.3.5 No freight collect shipments will be accepted without prior approval.

4.4 PAPERWORK:

4.4.1 All orders are subject to the terms and conditions of the Alcoa purchase order and these specifications. In the event of a conflict in terms between the purchase order and the specifications, the terms of the purchase order shall govern. The vendor shall send an acknowledgment within five business days of the date Alcoa placed the order with the vendor. The acknowledgement must confirm the quantity, type of material, price, and delivery date, and must be sent to the Alcoa facility noted on Alcoa's purchase order.

Alcoa, TN

Alcoa Rigid Packaging Div.
2300 N. Wright Rd.
N. Plant Admin. Bldg.
Alcoa, TN 37701

Lancaster Sheet, PA

Alcoa Mill Products
1480 Manheim Pike (17601)
PO Box 1367
Lancaster, PA 17604

Davenport, IA

Alcoa Mill Products
4879 State St.
PO Box 3567
Bettendorf, IA 52722

Texarkana, TX

Alcoa Mill Products
300 Alumax Dr.
Texarkana, TX 75501

Elmendorf, TX

Alcoa Mill Products
14555 Old Corpus Christi Rd.
Elmendorf, TX 78112

Warrick, IN

Alcoa Rigid Packaging Div.
Hwy. 66 & 61
Newburgh, IN 47629

Lancaster Plate, PA

Alcoa Mill Products
1530 Apollo Dr. (17601)
PO Box 1367
Lancaster, PA 17604

4.4.2 Shipment shall constitute acceptance of Alcoa's terms and conditions of purchase.

4.4.3 All documents accompanying the shipment of purchased scrap must reference Alcoa's purchase order number, appointment number, and the vendor's name. The bill of lading must include a commodity description, number of packages, and individual gross, tare, and net weights for each item. Alloys must be properly segregated (if the purchase order specifies segregated material) and clearly marked or tagged to ensure proper identification. A signed bill of lading will confirm delivery.

4.4.4 All packages (bales, bundles, skids, etc.) of scrap must be tagged and the tag must include gross, tare, and net weight of the package. The tag must also include the alloy of the material and the vendor's name. For Alcoa RPD plants the alloy must be painted on both sides of the bales in six (6) inch high numbers.

4.4.5 No more than two (2) items/alloys per truckload of scrap will be accepted unless otherwise specified. Alcoa RPD plants accept only one (1) item/alloy per truck.

4.4.6 There is no need to send invoices unless instructed to do so. To obtain information about received net weights and payments, log on to <http://www.alcoa.com/lnk/escrap>.

4.5 PACKAGING SPECIFICATION

- 4.5.1 **All purchased scrap must be loaded in a manner that allows unloading with forklift equipment in a reasonable amount of time.** Scrap must be loaded so as to ensure safe unloading which will cause no damage or injury to shipper's or receiver's equipment or personnel. Any scrap that arrives at an Alcoa location loaded in an unsafe manner will be rejected.
- 4.5.2 Purchased scrap must be packaged in sound bales securely strapped or banded, briquettes stacked on pallets no higher than five feet, or Gaylord boxes (4' x 4' x 4') on pallets. Bales should not exceed 4' x 4' x 6' in dimension unless otherwise noted on the Summary of Scrap Packages table. Cardboard, sheet, or burlap wrapped bales, which do not allow for visual inspection of the contents, will not be accepted. Plastic wrapped bales, boxes, or bundles will not be accepted. Bundles loaded on end will not be accepted. Boxes must be securely bulk headed to prevent breakage. A box charge will be assessed to offset the cost of disposal of these containers.
- 4.5.3 Scrap will not be accepted in wooden boxes, or in metal or cardboard drums.
- 4.5.4 Coils must be tightly bound to pallets with "eye-to-sky." Refer to the Summary of Scrap Packages for maximum dimensions of coils accepted by each location. No steel or fiber cores will be accepted unless prior approval is received.

4.6 PHYSICAL CHARACTERISTICS:

- 4.6.1 Alcoa buys an aluminum scrap package that varies among plants. See the Summary of Scrap Packages table for a list of the most common scrap types accepted at each plant. This list is not a complete list as scrap requirements change periodically. If there are any questions regarding what types of scrap are accepted by each plant, contact one of the buyers noted in section 2 of this specification.
- 4.6.2 Scrap must be free of metals other than the aluminum alloy specified on the purchase order such as steel, lead, copper, zinc corners, etc. Aluminum composites such as copper aluminum wire, aluminum lithium alloys, or metal matrix composite alloys are not acceptable. Steel banding around bales will be accepted.
- 4.6.3 Scrap must be free of all contaminants and chemical substances such as dirt, grease, oil, corrosion, oxidation, fertilizer, nitrites, insulation, thermal break, free lead, batteries, felt, screws, rubber, caulking, liquids, or any powders.
- 4.6.4 Pipe, tubing, and heat exchangers will be subject to rejection.
- 4.6.5 Seller warrants that the metal delivered under this purchase does not contain any materials regulated as radioactive materials under Federal or State law or regulations. Supplier agrees to indemnify and hold Alcoa harmless from any and all claims, demands costs, and expenses (including reasonable attorney's fees), resulting from or arising under, in whole or in part a breach of the foregoing warranty. Seller agrees to be responsible for proper removal and disposal of any such materials brought to Alcoa and to pay the costs of any necessary clean up.
- 4.6.6 Painted scrap is not accepted unless otherwise specified on the purchase order.
- 4.6.7 No chips, borings, turnings, or punchings will be accepted. Alcoa prefers dense, heavy scrap material. Light gauge scrap requires sample approval by Alcoa facilities.

- 4.6.8 No painted sign panels, aluminum baseball/softball bats will be accepted.
- 4.6.9 Canisters such as aerosol cans, fire extinguishers, propane tanks, beer kegs, auto air bag inflation cartridges, ammunition cartridges, freon tanks, oxygen and acetylene tanks, detonators, butane lighters, CO₂ cartridges, or similar objects will not be accepted.
- 4.6.10 PCB's or other toxic materials will not be accepted.
- 4.6.11 Hypodermic needles or other biomedical waste will not be accepted.
- 4.6.12 Ordnance scrap or any type of munitions scrap will not be accepted.
- 4.6.13 No UBC's will be accepted. A single UBC found in a load of scrap will be cause for rejection.
- 4.6.14 RSI aluminum sows must be free of internal cavities, corrosion, drosses, and other foreign materials. Sows must be single pour containing no cold folds or layers.
- 4.6.15 All RSI sows must be low profile with ingot width-to-ingot height ratio (the aspect ratio) of 4:1 unless prior arrangements have been made with the buyer.
- 4.6.16 For RSI sows delivered to RPD locations, see attached Rigid Packaging Division Specification.

4.7 CHEMICAL COMPOSITION OF SCRAP:

- 4.7.1 Each shipment of purchased scrap shall be sampled for chemical composition. The method and frequency of sampling will be at Alcoa's discretion. Samples representative of the load are taken and analyzed by spectrometer. Scrap loads containing chemical composition that varies from the chemical composition of the ordered alloy will be subject to rejection or downgrade.
- 4.7.2 Chemical analysis and button samples by heat number must precede or accompany shipment of RSI sows. Chemical analysis must include the following elements: Si, Fe, Cu, Mn, Mg, Cr, Zn, Pb, Ti, Ni, Bi, B, Li, Na, Ca, Be, Zr, Sn, Cd, Ga, Sb, V, and As. Sample disks, preferably from top pour sample molds with one-inch (1") flat surface area minimum, are required to accompany shipment of the material. Heat numbers must be legibly marked on each sow, on each corresponding sample disk, and on the accompanying chemical analysis sheet.

4.8 REJECTIONS, DOWNGRADES, CANCELLATIONS, AND ADJUSTMENTS

- 4.8.1 **Alcoa reserves the right to reject or downgrade material that does not comply with this specification.**
- 4.8.2 In cases where problems occur with loads of scrap, Alcoa expects the brokers/traders we deal with to divulge the name of the vendor who sold the material to the broker/trader.
- 4.8.3 Rejected material that has not been unloaded at an Alcoa plant site will be returned immediately. Vendors have two (2) working days to pick up rejected material that has been unloaded at an Alcoa plant site. If the material is not picked up within the two days, the plant will arrange to have the material returned to the vendor. Any rejected loads will be returned at the vendor's expense. A vendor will be billed for all transportation related charges if the rejected scrap was purchased on a picked up

basis. If rejected material was unloaded at the plant, the vendor will also pay a \$200.00 reloading fee.

4.8.4 If a load of scrap does not conform to this specification or is rejected, Alcoa will issue a Defective Material Report, (DMR copy attached), containing the specifics regarding the rejection. The supplier must respond within five (5) business days following receipt of the DMR. The response must clearly address the root cause of the rejection and the corrective action that will be instituted to eliminate the recurrence of the problem. The corrective action must be approved by Alcoa. In the case of broker/trader transactions, Alcoa requires that the DMR be completed by the vendor who sold the load to the broker/trader. Failure to respond to DMR's may result in the supplier's removal from Alcoa's approved supplier list.

4.8.5 **If a scrap charge causes an off analysis furnace the vendor who supplied the material will be responsible for all charges related to the incident.**

5. INDEMNIFICATION/INSURANCE:

5.1 Each vendor selling scrap to Alcoa will have and maintain adequate minimum General and Products Liability insurance coverage, endorsed as required, at all times while conducting business with Alcoa.

6. APPROVERS/REVIEWERS:

LOCATION	APPROVED BY	DATE
Alcoa, TN	Nelson Martin	
Davenport, IA	Julius Miller	
Lancaster, PA (Sheet Mill)	Ed Engelbert	
Lancaster, PA (Plate Mill)	Ray Hughes	
Elmendorf, TX (San Antonio)	Steve Heinen	
Texarkana, TX	Dave Meditz	
Warrick, IN	Kim Bowen	

JOB TITLE	REVIEWED BY	DATE
V. P. North American Metal Purchases	Richard V. Markiewicz	
Manager Secondary Metal Services	Stephen J. Behnke	
Metals Planning & Purchasing Mgr. RPD	Pamela McNealy	
Senior Metal Buyer	Nick A. Badgett	
Metal Buyer	Robert T. Gately	
Metal Buyer	Cindy J. Thompson	

7. REVISION HISTORY:

REVISION	DATE	NEW/REVISE/ REVIEWED BY	DESCRIPTION/REASON FOR CHANGE
A	03/11/97	New	
B	11/30/99	Robert J. McHale	Completely revised.
C	04/24/02	George Guidas	Completely revised.
D	06/30/04	Nick A. Badgett	Completely revised.

Plant Contact for Appointment Telephone Fax Email Address	Alcoa, TN Travis Tipton 865 977 3917 865 977 3602 Travis.Tipton @alcoa.com	Davenport, IA John Denkman 563 344 5511 563 344 5512	Lancaster Sheet, PA http://www.alcoa.com/lnk/escrap or Harvey Stouidt 717 393 9641 717 293 7668 harvey.stouidt @alcoa.com	Lancaster Plate, PA http://www.alcoa.com/lnk/escrap or Judy Oram 717 393 9641 717 399 7898 judy.oram @alcoa.com	Elmendorf, TX http://www.alcoa.com/lnk/escrap or Steve Heinen 210 635 6082 210 635 6125 steven.heinen @alcoa.com	Texarkana, TX http://www.alcoa.com/lnk/escrap or Lisa Russ 903 832 8471 903 832 3303 lisa.russ @alcoa.com	Warrick, IN Travis Tipton 865 977 3917 865 977 3602 Travis.Tipton @alcoa.com
1100/3003 Clip	Prior Approval	Prior Approval	X		X	X	X
Other 1000 Series	Prior Approval	Prior Approval	Prior Approval		Prior Approval	Prior Approval	X
Other 3000 Series	X	Prior Approval	Prior Approval		Prior Approval	Prior Approval	X
5052 Clip		Prior Approval	X			X	
5086 Clip	Prior Approval	Prior Approval	X				X
Other 5000 Series		Prior Approval	Prior Approval		Prior Approval	Prior Approval	Prior Approval
Litho Sheets			X – No Boxes				Prior Approval
6061 Clip/Plate/Extrusion		Prior Approval		X	X	X	
7075 Clip/Extrusion		Prior Approval		X			
2024 Clip/Extrusion		Prior Approval		X			
EC Wire			X		X	X	
EC Straws					X	X	
EC Chops					X	X	
2000 Series Clip/Extrusion		Prior Approval		Prior Approval			
7000 Series Clip/Extrusion		Prior Approval		Prior Approval			
Max Weight/Piece Or Pkg.	25,000 lb.	12,000 lb.	5,000 lb.	3,000 lb. Per Pack.	7,000 lb. or as approved	5,000 lb. or as approved	1
Coils	Max. 82" width, no coils	Max. 48" diameter	Max. 55" height diameter on skids, no cores	N/A	Max. 60" dia. or 7,000 lb. Max No cores	Max. 43" height or diameter	25,000 lb. no skids, fiber core ok. Max. 60" dia
Bales	4'x4'x6' max, no skids	4'x4'x6' max	4'x4'x6' max, on skids	Prior Approval	4'x4'x6' max	3'x4'x6' max.	4'x4'x6 max, no skids
Box Charge \$7.00/Box	No Boxes	X	Prior approval only, Must note on PO.	No dbl stack of bx/pllt in enclosed van	X	X	No boxes
Briquettes (5' max high)		X	X	X	X	X	No boxes
Bundled or palletized ¹	8 ft. max length, unless prior approval	6 ft max length	5 ft max length	5 ft max length x 3 ft max width	7 ft max length x 3 ft max width	7 ft. max length unless specified	8 ft max length unless prior approval
Loose	N/A	N/A	N/A	5' max-dump trlr.	N/A	N/A	N/A
RSI (low profile) ² 4 to 1 Aspect ratio	See RPD Spec	X	1,500 lb.	1,500 lb.	No tarp required	1,500 lb. 4:1 aspect ratio	See RPD Specification
Min. gauge; Briqs. .010", Bales .016"		X	X	X	X	X	X
Maximum number of items per truck	1	1	2	2	3	3	N/A
Comments	No anodized or hollow scrap. Received weights will be faxed.	Be .0001 max. Li .0001 Max. No hollow shapes or cut tanks.	No hollow shapes.	Plant prefers loose scrap in dump trailers.			No anodized or hollow scrap. Received weights will govern.

¹ Extrusion scrap only unless agreement with buyer prior to shipment of material.

² Specification metal only. Other RSI sows are accepted with agreement of plant and buyer prior to shipment of material.



DMR: DEFECTIVE MATERIAL REPORT			
Alcoa Plant Location	Today's Date	Delivery Date	DMR Number
Purchase Order	Item Number(s)	Bill Of Lading	Receiving Tally

DMR Written By		Samples sent to supplier?		Photos taken?	
Supplier Name & Address			Originating Yard Name & Address		
Phone		Fax		Phone	
Fax		Phone		Fax	
Order Written Between (Supplier Contact)			And (Alcoa Metal Buyer)		

ITEM(S) CONTAINING DEFECT

Item #	Quantity Ordered	Description of Item(s) As Ordered:

REASON FOR DMR – PLEASE “X” ALL DEFECTS THAT APPLY

Safety Hazard	Wrong or Mixed Alloys	Contamination	Packaging	Paperwork	Other
---------------	-----------------------	---------------	-----------	-----------	-------

Detailed Description of Defect:

STATUS OF LOAD

Item #	Quantity Accepted	Quantity Rejected	Was this specific shipment previously rejected? If yes, please advise previous DMR # .

Alcoa Personnel: Complete top portion of DMR and email to: dmrresponse@alcoa.com

SUPPLIER REPLY SECTION

Do you agree with the reason for this DMR?	If not in agreement, please explain why.
--	--

Please explain “Corrective Action” taken for this shipment (even if shipment is accepted).

Please explain “Preventative Action” for future shipments.

Supplier Representative Completing Form:	Title:	Date:
--	--------	-------

Supplier: Complete “Supplier Reply Section” and email within five (5) business days to: dmrresponse@alcoa.com

DMR 04/24/02



ALCOA – RIGID PACKAGING DIVISION

SPECIFICATION FOR PURCHASE OF RECLAIMED SCRAP INGOT (RSI) INGOT/SOW

I. SCOPE

This specification covers procedures and requirements for the procurement of RSI ingot/sow for the Rigid Packaging Division (RPD) of Alcoa, Inc. It must be referenced on all Alcoa-RPD purchase orders for RSI from sources outside Alcoa. Master purchasing agreements will be arranged through Alcoa Metal Purchasing, Knoxville, TN.

II. SHIPPING

A. Manifest

1. The shipping manifest and paperwork relating to the purchase order, including product identification, composition, supplier, and weights, are to accompany shipment.
2. Composition data must be faxed to the receiving location prior to delivery. Warrick must approve each load prior to scheduling.
3. Orders must be delivered within the specified contract validity dates. Late shipments may be cancelled at the buyer's discretion.

B. Weights

1. Trucks must be weighed prior to and after unloading. Weighing should be performed on certified scales. Piece count may be used at the option of the receiving location.
2. If the deviation from stated weight is greater than 0.5% but less than 2%, the vendor will be notified as soon as practical. If a discrepancy of 2% or more is encountered, the vendor will be notified immediately.
3. The receiving plant's weights will govern in the case of a discrepancy.

C. Truck Shipments

Shipments are to be made in flatbed trucks that are clean and in good condition (as specified by the receiving locations). Flatbeds must be side loaded only. Vans may be turned away at the shipper's expense.

D. Rail Shipments

Specific requirements for rail cars will be established by the receiving plant locations. Rail cars are to be clean and in good condition. Loading should facilitate safe unloading by fork trucks unless other arrangements are made with the receiving plant. Should there be a weight discrepancy greater than 2%, the vendor will be notified and rail weights will be obtained for reference.

III. PHYSICAL CONDITION

Each shipment shall be subject to inspection by the receiving location. Failure to satisfy specification requirements will result in rejection.

A. Surface

1. Ingot must be skimmed and free of:
 - a. Surface contaminants such as skim/dross residue, salt cake, oxidation corrosion
 - b. Entrained salts
 - c. Seams and folds caused by pouring temperature and/or oxide levels
 - d. Seams and folds caused by double or multiple pours
2. Top edge of the ingot/sow shall **not** have a rim more than one inch high.

B. Internal

Ingots shall not have open shrinkage cavities/internal voids, which connect to the surface.

C. Melting Technology

RSI produced from induction furnaces is not acceptable to RPD melting locations.

D. Identification

Each sow will clearly display the appropriate alloy designator, heat number, name, or identification of the producer, and the predominant RSI source (e.g. skim, UBC, scrap, etc.). Alloy markings should be in black paint, 4" to 6" high, on both ends of each sow.

E. Contamination

Evidence of contamination by foreign materials, surface or imbedded, such as discreet non-aluminum fragments, iron, oxide flakes, rust, entrained salts, and materials such as fertilizers, nitrates, oxidizers, and hydroscopic scales will result in rejection.

F. Size / Shape / Aspect Ratio

1. Each sow shall be low profile and have an aspect ratio greater than or equal to 3.0, with a ratio of 3.5 preferred. This ratio is defined as the smallest dimension measured across the top surface of the ingot divided by the height of the ingot.
2. Minimum weight shall be 1,500 lb. per piece.
3. Bottom of ingot/sow shall be smooth: no pronged "feet".

IV. COMPOSITION

Each shipment is to be accompanied by chemical analysis data and sample buttons for each heat, with appropriate identification. Chemical composition requirements for RSI by type are attached. Chemical analysis that exceeds the specified limits shall be considered off-analysis and will be subject to rejection.

V. BASIS OF ACCEPTANCE

The results of physical inspection and/or discrepancies in composition are cause for rejection. Physical unloading does not imply acceptance. More thorough examination of material after receipt may also result in rejection. Failure of the shipment to meet the conditions stated in prior sections may result in the rejection of the entire shipment. The receiving locations may refuse to unload, or may assess extra handling charges with the vendor's approval on shipments not loaded or supplied in accordance with the specification.

VI. CONTACT INFORMATION

A. Contract Administration

Phyllis Sloan
Alcoa-Rigid Packaging
North Administration Bldg.
2300 Wright Road
Alcoa, TN 37701

Phone: (865) 977-3918
Fax: (865) 977-3602

Includes all correspondence for RPD purchases, such as contract confirmations, weight discrepancies, payment issues, etc. No invoicing required, payments will be initiated upon receipt of shipment.

B. Plant Information

	<u>CONTACT</u>	<u>APPOINTMENTS</u>	<u>SHIP TO ADDRESS</u>
Warrick	Kim Bowen Ph: (812) 853-4293 Fx: (812) 853-4226	Metal Center Ph: (865) 977-2052 Fx: (865) 977-3602	Alcoa-Rigid Packaging Warrick Operations U. S. Highway 66 Newburgh, IN 47629
Tennessee	Nelson Martin Ph: (865) 977-3686 Fx: (865) 977-3655	Metal Center Ph: (865) 977-2052 Fx: (865) 977-3602	Alcoa-Rigid Packaging South Plant 300 N. Hall Road Alcoa, TN 37701

C. Buyers

<u>CONTACT</u>	<u>PHONE</u>	<u>FAX</u>
Rich Markiewicz	(865) 594-4710	(865) 594-4970
Nick Badgett	(865) 594-4776	(865) 594-4970
Robert Gately	(865) 594-4966	(865) 594-4970
Cindy Thompson	(865) 594-4992	(865) 594-4970

Attachment (3)

	Si	Fe	Cu	Mn	Mg	Cr	Pb	Ni	Zn	Ti	B*	Be	Bi*	Ca	Cd*	Li	Sb*	V*	As*	Others	
																				Each	Total
3004 Alcoa (UBC)	.21	.45	.25	.5 – 1.2	.7 – 1.5	.030	.0100	.02	.15	.02	.0020	.0001	.01	.02	.0002	.0005	.0050	.030	.0050	.03	.10
3xxx Alcoa	.60	.70	.30	.85 – 1.5	.85 – 1.5	.100	.0120	.05	.40	.10	.0020	.0001	.01	—	.0002	.0005	.0050	.030	.0050	.03	.10
3105 Alcoa	.60	.70	.30	.3 - .8	.2 - .8	.150	.0140	.05	.40	.10	.0020	.0001	.01	—	.0002	.0005	.0050	.030	.0050	.05	.15
5xxx Alcoa (Class 2)	.20	.30	.10	.40	2.5 – 5.5	.050	.0100	.02	.150	.05	.0020	.0001	.01	.02	.0002	.0005	.0050	.030	.0050	.03	.10

RSI must be low profile; the smallest dimension across the top divided by the total height must be 3.0 or higher, with a preferred ratio of 3.5.

Induction furnace material is not acceptable for any RSI type.

All specifications are on a per piece basis unless negotiated otherwise. For average loads, (Tennessee Only), the maximum limit per piece will be two times the limits indicated above.

All sow must be marked on both ends with the appropriate alloy designator (3004, 3xxx, 3105, 5xxx).

Additional RSI types similar to those detailed above will be considered.

indicates revisions or new limits

Revised: June 01, 2001

Attachment (3)