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SSAB Alabama Inc.

12400 Highway 43 North
Axis, AL 36505

T +1 251 662 4453
F +1 251 662 4367

Toll-free + 1 888 592 7070
www.ssab.com

Section 1 – Terms of understanding

1. Truck Driver Safety Requirements

SSAB requires everyone inside the fenced-in mill enclosure to wear hard hat, safety glasses, safety shoes, long sleeve shirts and long pants (coveralls are acceptable) and hearing protection. Drivers who fail to comply with these rules will be turned away or escorted off site, and may be banned from future entry.

2. Conditions of Contract

SSAB General Terms and Conditions of Contract apply and take precedence over any other agreement between the parties. These SSAB General Terms and Conditions of Contract must be signed before business can be conducted. The execution of a periodic agreement is required before any business transaction may take place.

3. Acceptance of Purchase order

SSAB shall issue a Purchase order for all scrap purchases. The supplier accepts the specified delivery, price, quantity, grade, and SSAB's Scrap Specifications & Terms of Delivery and SSAB's Scrap Purchase Terms and Conditions unless a formal written exception has been submitted to and accepted by SSAB's scrap buyer.

4. Taxes

Sales tax does not apply to the purchase of scrap materials.

5. Advance Shipping Notice - Mandatory

Before shipping any scrap to SSAB by barge or rail, supplier shall provide an advance shipping notice via email to mobile.scrap@ssab.com. The advance shipping notice email must contain the following information:

- Car or barge number; *and*
- Shipping date; *and*
- Grade of scrap shipped; *and*
- SSAB Purchase order number against which shipment was made; *and*
- Shipper name; *and*
- City and state of the yard from which the shipment originated; *and*
- Broker name if different from shipper.

In the case of barge shipments, a photo package must be included in the advance shipping notice email. The photo package must include the following:

- Two to three photographs documenting the condition of the barge floor prior to loading; *and*

- Three to five photos documenting the post-loaded condition of the barge and the quality of the scrap loaded therein; *and*
- A photo showing the barge number.

A \$200 penalty per incident will be assessed for failure to comply with the advance shipping notice requirement, including the arrival of material prior to that of the advance shipping notice. In addition, the received material not in compliance with the advance shipping notice requirement will be assigned to the intended or current Purchase order, whichever is the lower-priced, at SSAB's sole discretion.

6. Price Inclusive

Unless otherwise specified in the Purchase order, the stated price shall include all duties, levies, freight charges, packing charges, insurance charges and any and all additional charges in connection with the supply of the product. Supplier shall provide all properly completed customs invoices, declarations and evidence of export/import.

7. Payment

Unless otherwise specified, SSAB will self-invoice based on weights determined by SSAB certified truck and rail scales. SSAB shall pay for all scrap accepted and unloaded by SSAB in accordance with the terms set forth in the purchase order. Payments to supplier will be accompanied by a summary showing how the amount paid supplier was determined by SSAB, SSAB purchase order number, and the barge, car, or truck number.

8. Shipping Containers

All of the following apply to shipping containers generally, unless supplier has obtained written approval for an exception from the SSAB Purchasing Department:

- Scrap shipped by rail or truck must be delivered in open top rail cars or self-dumping trailers.
- Trucks, cars, and/or barges delivering scrap to SSAB must be clean and free of dirt and other non-metallic materials prior to being loaded with scrap.
- Rail cars must be loaded in accordance with the [Open Top Loading Rules, Section 2, and Figure 87 of the American Association of Railroads](#).

9. Truck Shipments

All of the following apply to truckload shipments of scrap:

- Shipments must contain a minimum 40,000 pounds of scrap, unless written approval for the exception has been obtained from the SSAB Purchasing Department.
- No trucks will be accepted by SSAB with a gross vehicular weight exceeding that which is allowed under current federal and state regulations, unless the supplier has obtained a

written exemption from the appropriate regulatory body. A 1% variance will be allowed where ice and snow conditions exist.

- A truck will not be weighed in and allowed to dump unless the driver presents the following information in writing to the SSAB scale clerk:
 - The SSAB Purchase order Number against which delivery is being made; *and*
 - Grade of scrap being delivered; *and*
 - Name and location of shipper; *and*
 - Origin of scrap if different from shipper location; *and*
 - Name of broker, if different from shipper.
- Only the driver will be allowed to enter the mill site and scrap yard for unloading purposes. Riders accompanying truck drivers must wait offsite and will not be allowed wait at the SSAB scale house.
- If, at the time of delivery, the scrap in a truck is frozen or otherwise cannot be dislodged, SSAB or a contractor on its behalf may, at the driver's request, rock or bump the truck with a crane to dislodge the scrap for discharge. If the driver requests the SSAB Contractor use its crane to unload scrap from the truck, SSAB will back charge the unloading cost to the supplier. Supplier shall indemnify SSAB and its contractor against all claims, losses or damages, including legal fees that arise therefrom, regardless of whether such damage was caused, in whole or in part, by the negligence of SSAB or its contractor.

10. Rail Shipments

Unless otherwise specified on the face of the purchase order, all rail shipments must be forwarded "freight collect," with the freight bill for the account of SSAB. The following information (including, without limitation, the copy of the bill of lading submitted to the railroad at origin) must be included on all copies of the shipper's bill of lading:

- The number of the purchase order to which the shipment relates; *and*
- The name of the shipper and city of origin (which shall be consistent with the name of the shipper and shipping point specified in the purchase order); *and*
- The grade of scrap being shipped; *and*
- A recitation that the shipment is being forwarded freight collect to SSAB; *and*
- SSAB contract number with applicable railroad as identified in the purchase order;
- The routing specified in the purchase order; *and*
- The notation, "*Do not weigh. Destination weights applicable.*"

11. Weighing and Grading of Scrap

Scrap shall be weighed and graded by SSAB upon receipt at the SSAB facility. Supplier agrees that:

- Net weights and grading of scrap by SSAB shall be final and binding on supplier (and shall supersede all other weights and grading of scrap); *and*
- SSAB shall use its net weights and grading in calculating the amount to be paid to supplier for the delivered scrap; *and*
- SSAB may choose to accept (rather than reject all or part of) a scrap shipment that does not conform to the specifications of the purchase order, in which case SSAB will notify the supplier of the appropriate downgrade for such scrap; *and*
- SSAB reserves the right to take deducts based on visual estimates for loads that contain excessive amounts of dirt, mud or other non-metallics.

12. Rejected Scrap

In addition to other rights and remedies, SSAB may cancel the supply of the scrap or any part thereof because of supplier's failure to comply with any of the terms or conditions herein or within any future purchase order (including, without limitation, late delivery of scrap, delivery of scrap which is defective or otherwise does not conform with the specifications of the purchase order, or failure to provide SSAB, upon request, with reasonable assurances of future performance).

If SSAB rejects any scrap shipment in whole or in part, SSAB will, without prejudice to or waiver of any other rights or remedies SSAB may have under the purchase order, at law or in equity:

- Charge the supplier for all transportation and/or reloading costs incurred by SSAB with respect to such nonconforming scrap (supplier shall be responsible for and indemnify SSAB for any claims, losses, or damage caused to the transport vehicle during the course of reloading, including legal fees).
- Impose a rejection fee on the supplier of \$100 USD per truck, \$750 USD per railcar, and/or \$1,500 USD per barge to compensate SSAB for handling, switching, administrative and other costs with respect to the rejected scrap.
- Recover from supplier and/or other responsible parties all incidental or consequential damages arising from supplier's breach of the purchase order that result in a rejection of any scrap shipment, in whole or in part by SSAB.



13.Rejection for Radioactive Contamination

In addition to the above, if a load is rejected due to radioactive contamination of the scrap, SSAB may delay the return of rejected scrap containing radioactive materials in order to comply with governmental regulations with respect to the handling, transportation, and disposition of radioactive materials. In addition, the supplier will be charged \$500 USD per incident to compensate SSAB for handling, storage, administrative, and legal costs with respect to the rejected radioactive scrap. This fee will be imposed in addition to those fees listed in Paragraph 12.

Section 2 – General requirements for prepared ferrous scrap

Suppliers shall not deviate from these specifications, which apply generally to all scrap grades, without the prior written approval from SSAB Purchasing and/or Environmental Department.

1. Suppliers

The following requirements must be met:

- Suppliers must be reviewed and approved by the SSAB Purchasing Department; and
- Suppliers of auto scrap must participate in and maintain compliance with the [National Vehicle Mercury Switch Recovery Program](#) (renewed memorandum of understanding signed on November 15, 2018), hereinafter referred to as NVMSRP; and
- Suppliers must ensure that scrap does not contain free organic liquids as defined by [USEPA at 40 CFR 63, Subpart YYYYY](#).

2. General Exclusions

The following materials must not be included in shipments:

- Excessive dirt, rust, or other non-metallic matter including but not limited to wood, rubber, and cement as determined by SSAB in its sole and absolute discretion.
- Combustible materials, chemicals or organic substances, including but not limited to rubber, plastic, fabric, wood, oil, lubricants, and hand tools with plastic or wooden handles.
- Any substance classified by any federal, state, province or local regulatory agency as hazardous, including but not limited to hazardous material, hazardous waste, or medical waste.
- Non-ferrous material, including but not limited to:
 - Lead (*for example, lead pipe, lead balancing weights for wheels, automotive batteries, babbit bearings, solder, and terne plate*)
 - Tin (*for example, tin plate*)
 - Copper and brass (*for example, copper wound starter motors, alternators, generators, wire, and tubing*)
 - Aluminum (*for example, aluminum wound motors, motors, wire and tubing*)
 - Mercury (*for example, automotive convenience switches or instrumentation containing mercury*)
- Cast iron (*for example, motor blocks, railroad brake shoes, soil pipe, cast iron radiators*)
- Closed containers capable of holding any gas (including air) or liquid, to include:

- Pressure vessels that do not have both ends cut off
 - Pipe sections capped at one or both ends, or crimped on one or both ends having been processed by a shear
 - Shock absorbers that have not been cut in half
 - Hydraulic cylinders that have not been cut in half
 - Drive shafts that have not been cut in half
 - Gas storage and other tanks (including household propane tanks) that do not have both ends cut off
 - Transmissions that have not been cut in half
 - Torque converters that have not been cut in half
 - Fire extinguishers that have not been cut in half
 - Aerosol cans that have not been depressurized and crushed.
 - Drums, tanks, cans, or containers which formerly contained any liquid, gas, or solid substance, unless first crushed and certified in writing by supplier in advance as triple rinsed and approved by SSAB's Environmental Manager.
- NOTE: All such closed containers as listed above must be cut sufficiently (not just punctured) to ensure they are not capable of holding any gases or liquids.**
- Non-conductors of electricity including but not limited to:
 - Rubber
 - Rubber tires
 - Concrete
 - Glass
 - Wood
 - Waste products including but not limited to:
 - Scarfing
 - Grindings and sawings
 - Tire wire (either loose or bailed)
 - Welding and torch cut fines
 - Kerf or slag
 - Mill scale
 - Baghouse dust
 - Sludge
 - Municipal waste or trash, including tin cans
 - Non-magnetic materials including but not limited to stainless and high manganese steel
 - Cable or wire rope less than ½ inch diameter or greater than 5 feet in length

- Steel pit scrap, skulls, spills or run outs, unless approved in writing by SSAB scrap buyer in advance
- Radioactive materials or radiation sources
- Military or ordnance scrap, whether demilitarized or not
- “Frac pipe,” also known as “perforating guns” in the oil and gas drilling industry, of any kind, whether containing exploded or non-exploded charges (perforating guns are identifiable by indentations machined in a spiral pattern along the length of the pipe)

3. General requirements

- All scrap shall conform to the latest version of [Guidelines for Ferrous Scrap published by the Institute of Scrap Recycling Industries](#) and as further defined by SSAB in this document. In the event of a conflict in specifications, the SSAB Scrap Specification shall govern.
- Shipments must not be top dressed with material that is not representative of the major portion of the material in the shipment or that precludes visual inspection of the shipment.
- All material is to be suitable and acceptable to SSAB based on its visual inspection or that of its contractor. Reasons for rejection may include any of the above as determined by SSAB in its sole and absolute discretion. Refer to Section 1, Items 12 and 13, above for a listing of fees that will be charged for any load that is rejected.

Section 3 – Scrap specifications

All scrap shall conform to the latest version of the [Guidelines for Ferrous Scrap](#) published by the Institute of Scrap Recycling Industries and as further defined by SSAB in this Section 3. In the event of any conflict in specifications, this SSAB Scrap Specification shall govern.

# 1 Heavy Melting Steel					
Description: new and obsolete carbon steel scrap, alloy free.					
Physical requirements		Chemistry requirements			
Minimum thickness:	1/4"	Element	Max %	Element	Max %
Maximum length and width:	60" x 12" or 48" x 18" or 36" x 24"	Mn	1.50	Si	0.50
		Cu	0.30	Cr	0.15
		Ni	0.10	Mo	0.05
Minimum density:	40 lbs. per cubic ft.	S	0.04	P	0.04
Maximum piece weight:	600 lbs. (90% under 200 lbs.)	Pb	0.02	Sn	0.02
		As	0.02	Sb	0.02

# 2 Heavy Melting Steel					
Description: clean carbon steel scrap, alloy free.					
Physical requirements		Chemistry requirements			
Minimum thickness:	1/8"	Element	Max %	Element	Max %
Maximum length and width:	60" x 12" or 48" x 18" or 36" x 24"	Mn	1.50	Si	0.60
		Cu	0.40	Cr	0.20
		Ni	0.15	Mo	0.05
Minimum density:	40 lbs. per cubic ft.	S	0.05	P	0.04
Maximum piece weight:	600 lbs. (90% under 200 lbs.)	Pb	0.02	Sn	0.02
		As	0.02	Sb	0.02

Restrictions: 1) Dies, gears, springs, or other alloy materials are not permissible. 2) Wire rope or cable may not exceed 10% of the load and must be 1/2" minimum diameter and 5 feet maximum length. 3) Rebar may not exceed 5% of the load. 4) Tie wire (loose or bailed) is not permitted. 5) Rear ends, torque converters, and transmissions must be cut and free of all liquid.



Mixed #1 and # 2 Heavy Melting Steel					
Description: clean carbon steel scrap, alloy free. Load must be 80% #1 Heavy Melting Steel and may not exceed 20% #2 Heavy Melting Steel.					
Physical requirements		Chemistry requirements			
Minimum thickness:	1/8"	Element	Max %	Element	Max %
Maximum length and width:	60" x 12" or 48" x 18" or 36" x 24"	Mn	1.50	Si	0.60
		Cu	0.35	Cr	0.20
		Ni	0.15	Mo	0.05
Minimum density:	45 lbs. per cubic ft.	S	0.05	P	0.04
Maximum piece weight:	600 lbs. (90% under 200 lbs.)	Pb	0.02	Sn	0.02
		As	0.02	Sb	0.02
Restrictions: 1) Dies, gears, springs, or other alloy materials are not permissible. 2) Wire rope or cable may not exceed 10% of the load and must be 1/2" minimum diameter and 5 feet maximum length. 3) Rebar may not exceed 5% of the load. 4) Tie wire (loose or balled) is not permitted. 5) Rear ends, torque converters, and transmissions must be cut and free of all liquid.					

#1 Railroad Heavy Melting Steel					
Description: Clean carbon steel scrap from demolition or construction remnants, alloy free.					
Physical requirements		Chemistry requirements			
Minimum thickness:	1/4"	Element	Max %	Element	Max %
Maximum length and width:	60" x 24"	Mn	1.50	Si	0.35
		Cu	0.15	Cr	0.15
		Ni	0.10	Mo	0.05
Minimum density:	50 lbs. per cubic ft.	S	0.04	P	0.04
Maximum piece weight:	600 lbs. (90% under 200 lbs.)	Pb	0.02	Sn	0.02
		As	0.02	Sb	0.02
Restrictions: 1) Rail car brake shoes, bearings or gears are not permitted. 2) Car sides and tops must not exceed 20% of the load.					



Busheling					
Description: Prompt industrial carbon steel sheet scrap.					
Physical requirements		Chemistry requirements			
Maximum thickness:	1/4"	Element	Max %	Element	Max %
Maximum length and width:	60" x 12" or 48" x 18" or 36" x 24"	Mn	1.50	Si	0.50
		Cu	0.12	Cr	0.10
		Ni	0.10	Mo	0.03
Minimum density:	50 lbs. per cubic ft.	S	0.04	P	0.04
Maximum piece weight:	n/a	Pb	0.02	Sn	0.02
		As	0.02	Sb	0.02
Restrictions: 1) No more than 10% of shipment may be galvanized. 2) Silicon steel (greater than 0.50%) is not permitted. 3) Tin coated steel is not permitted. 4) Punchings and small stampings are not permitted.					

Machine Shop Turnings					
Description: Clean, dense, fresh machine shop turnings.					
Physical requirements		Chemistry requirements			
Minimum thickness:	1/16"	Element	Max %	Element	Max %
Maximum length and width:	n/a	Mn	1.50	Si	0.35
		Cu	0.30	Cr	0.20
		Ni	0.20	Mo	0.15
Minimum density:	50 lbs. per cubic ft.	S	0.05	P	0.06
Maximum piece weight:	n/a	Pb	0.02	Sn	0.02
		As	0.02	Sb	0.02
Restrictions: 1) Must be free of alloy steel, stainless steel, cast iron borings, powdered metal, resulfurized steel, grindings, grinding dust, steel shot, swarf, torch drippings, tire wire (loose or bailed), mill scale, non-metallic matter. 2) SSAB reserves the right to reject any turnings load that is smoking, smoldering or steaming.					



Shredded Scrap					
Description: Clean, dense, magnetically separated shredder-processed homogenous carbon steel scrap from fragmentation of automobile, unprepared #1 and #2 heavy melt, and miscellaneous bailing and sheet steel.					
Physical requirements		Chemistry requirements			
Minimum thickness:	1/4"	Element	Max %	Element	Max %
Maximum length and width:	No more than 5% of pieces may be greater than 10" in any direction. No piece may be greater than 16" in any direction	Mn	1.50	Si	0.35
		Cu	0.25	Cr	0.15
		Ni	0.10	Mo	0.05
		S	0.04	P	0.04
Minimum density:	70 lbs. per cubic ft.	Pb	0.02	Sn	0.02
		As	0.02	Sb	0.02
Restrictions: 1) Not more than 10% "white goods" or appliances. 2) Not more than 10% galvanized material mixed with material being shredded. 3) Must be free of all mercury convenience switches, municipal scrap, and tire wire. 4) Supplier must document that it, along with its suppliers of shredder feedstock, are participants in the National Vehicle Mercury Switch Recovery Program (NVMSRP), or other such SSAB approved program, that has a stated goal of eliminating the presence of mercury in the shredded scrap supply.					

Beach/Blast Furnace Iron					
Description: Clean blast furnace or beach iron, drop-balled and screened to the size range indicated below. Typically generated by a blast furnace operation and coming from a beaching process, runners, or skulls. Material must be desulfurized through an SSAB approved desulfurizing process.					
Physical requirements		Chemistry requirements			
Minimum size:	12" x 12" x 12"	Element	Max %	Element	Max %
Maximum size:	24" x 24" x 12"	C	5.00	Mn	1.00
		Si	0.60	Cr	0.20
Minimum metallic content:	90%	Ni	0.10	Mo	0.03
		S	0.05	P	0.05
Maximum piece weight:	1000 lbs.	Pb	0.02	Sn	0.02
		As	0.02	Sb	0.02
Restrictions: 1) Load must contain no Fines. 2) May not include other scrap. 3) Product must be free of slag.					



5 Foot Plate and Structural					
Description: Clean, obsolete plate and structural carbon steel from demolition or construction remnants. All new production P&S must be approved by SSAB scrap buyer in writing.					
Physical requirements			Chemistry requirements		
Minimum thickness:	1/4"	Element	Max %	Element	Max %
Maximum length and width:	Less than 8" cross section: 4 ft max Greater than 8" cross section: 60" x 12", 48" x 18", or 36" x 24"	Mn	1.50	Si	0.35
		Cu	0.35	Cr	0.15
		Ni	0.10	Mo	0.15
Minimum density:	50 lbs. per cubic ft	S	0.05	P	0.06
Maximum piece weight:	400 lbs. (90% less than 200 lbs.)	Pb	0.02	Sn	0.02
		As	0.02	Sb	0.02
Restrictions: 1) Pipe 10" in diameter or greater must be cut at least twice longitudinally with the resulting pieces no longer than 36 inches.					

3 Foot Plate and Structural					
Description: Clean, obsolete plate and structural carbon steel from demolition or construction remnants. All new production P&S must be approved by SSAB scrap buyer in writing.					
Physical requirements			Chemistry requirements		
Minimum thickness:	1/4"	Element	Max %	Element	Max %
Maximum length and width:	Less than 8" cross section: 36" x 24" max	Mn	1.50	Si	0.35
		Cu	0.35	Cr	0.15
		Ni	0.10	Mo	0.03
Minimum density:	50 lbs. per cubic ft.	S	0.04	P	0.04
Maximum piece weight:	400 lbs. (90% less than 200 lbs.)	Pb	0.02	Sn	0.02
		As	0.02	Sb	0.02
Restrictions: 1) Pipe 10" in diameter or greater must be cut at least twice longitudinally with the resulting pieces no longer than 36 inches.					



#1-1/2 Dealer Bundles					
Description: Combination of clean prompt industrial scrap, obsolete scrap and sheet steel hydraulically compressed into a tight bundle.					
Physical requirements		Chemistry requirements			
Minimum thickness:	n/a	Element	Max %	Element	Max %
Maximum length and width:	24" x 24" x 30"	Mn	1.50	Si	0.60
		Cu	0.50	Cr	0.20
		Ni	0.15	Mo	0.08
Minimum density:	75 lbs. per cubic ft.	S	0.05	P	0.05
Maximum piece weight:	1000 lbs.	Pb	0.02	Sn	0.02
		As	0.02	Sb	0.02
Restrictions: 1) Shall be free of non-ferrous metals and non-metallics, excessive dirt, grinding dust, scale, oil, grease, excessive rust, terne plate, tin plate, detinned material, tire wire, Babbitt, resulfurized metal, stainless steel and chrome coatings. 2) White goods and appliances are not permitted. 3) No vitreous enameled material. 4) Whole auto or sheared autos (auto slabs, auto logs) are not permitted. 5) Bundles must be tightly compressed and must not come apart during handling by a grapple. 6) Rebar and wire or slitter exceeding 24" in length not permitted.					

#1 Dealer Bundles					
Description: Clean, prompt, industrial carbon sheet steel scrap, hydraulically compressed into a bundle at dealer's yard.					
Physical requirements		Chemistry requirements			
Minimum thickness:	n/a	Element	Max %	Element	Max %
Maximum length and width:	24" x 30" x 30"	Mn	1.50	Si	0.30
		Cu	0.12	Cr	0.12
		Ni	0.10	Mo	0.03
Minimum density:	70 lbs. per cubic ft.	S	0.04	P	0.04
Maximum piece weight:	1000 lbs.	Pb	0.02	Sn	0.02
		As	0.02	Sb	0.02
Restrictions: 1) No more than 10% of shipment may be galvanized. 2) Silicon steel (greater than 0.50 % Si) and tin coated materials are not permitted. 3) De-tinned materials are permitted. 4) Tie wire is not permitted in any bundle. 5) Bundles may not be coiled steel or spools of wire. 6) Bundles must be tightly compressed and must not come apart during handling with a grapple.					

#1 Industrial Bundles					
Description: Clean, hot or cold rolled new production carbon sheet steel scrap, hydraulically compressed into a bundle at industrial manufacturer location.					
Physical requirements		Chemistry requirements			
Minimum thickness:	n/a	Element	Max %	Element	Max %
Maximum length and width:	24" x 30" x 30"	Mn	1.50	Si	0.30
		Cu	0.12	Cr	0.12
		Ni	0.10	Mo	0.03
Minimum density:	70 lbs. per cubic ft.	S	0.04	P	0.04
Maximum piece weight:	1000 lbs.	Pb	0.02	Sn	0.02
		As	0.02	Sb	0.02
Restrictions: 1) No more than 10% of shipment may be galvanized. 2) Silicon steel (greater than 0.50 % Si) and tin coated materials are not permitted. 3) De-tinned materials are permitted. 5) Bundles may not be coiled steel or spools of wire. 6) Bundles must be tightly compressed and must not come apart during handling with a grapple.					

#1 Machine Cast Iron					
Description: Broken cast iron machinery and parts.					
Physical requirements		Chemistry requirements			
Minimum thickness:	1/4"	Element	Max %	Element	Max %
Maximum length and width:	12" x 36"	C	5.00	Mn	1.50
		Si	0.30	Cr	0.20
		Ni	0.10	Mo	0.05
Minimum density:	60 lbs. per cubic ft.	P	0.05	Cu	0.05
Maximum piece weight:	1000 lbs.	S	0.04	Sn	0.02
		As	0.02	Pb	0.02
Restrictions: 1) Radiation cast, stovepipe, yard cast, burnt iron and brake shoes are not permitted. 2) Soil pipe or cast iron pipe greater than 0.05 % phosphorous is not permitted.					



Pig Iron					
Description: Steelmaking pig iron.					
Physical requirements			Chemistry requirements		
Minimum thickness:	n/a	Element	Max %	Element	Max %
Maximum length and width:	Not to exceed 20kg.	Si	1.50	Mn	1.50
		P	0.15	S	0.05
		Element		Min %	Max %
Minimum density:	n/a	C		3.50	5.00
Maximum piece weight:	n/a	Shape requirements:		Various shapes	
Restrictions: 1) Broken pieces and Fines not to exceed 1% of shipment. 2) Origin to be approved in writing by SSAB Alabama Purchasing Department.					

Scrap Tire/Material		
Description: Scrap tires and/or materials for use as product replacement for charge carbon. The acceptable form of the material is: primary shred; cut in half (passenger and tractor truck scrap tires); cut in quarters (off road vehicles and equipment). All other materials require evaluation prior to approval.		
Physical requirements		Restrictions
Minimum thickness:	n/a	<i>No material heavily contaminated with soil and/or debris.</i>
Maximum length and width:	24" x 24" x 36"	<i>No chemically contaminated material.</i>
Minimum density:	n/a	<i>No bead wire without prior approval.</i>
Maximum piece weight:	1000 lbs.	<i>No tread wire without prior approval.</i>