

# HANDGARDS

Brand: Tuffgards

## PRODUCT INFORMATION

Type: Sandwich Bags

Item Number	Model	Size (In.)	Minimum Thickness (mils)	Pack	Printed	Print Color	Bag Color	Closure	Material	Case Weight
304985220	SB5.5	5.5 X 5.5	0.5	SADDLE	N/A	N/A	CLEAR	1.5 FLIP LOCK	HDPE	
303679613	SB5.6CE	5.5 X 5.5	0.5	SADDLE	COOKIE	BROWN	CLEAR	1.5 FLIP LOCK	HDPE	
304985170	SB7.5	6.5 X 7.5	0.5	SADDLE	N/A	N/A	CLEAR	1.5" FLIP LOCK	HDPE	
304985211	SB8.5	6.5 X 7	0.5	SADDLE	N/A	N/A	CLEAR	1.75 FLIP LOCK	HDPE	
303679617	SB8.5B	6.5 X 7	0.5	SADDLE	N/A	BLUE	CLEAR	1.75 FLIP LOCK	HDPE	
303679580	SB9.5	7.5 X 7.5	0.5	SADDLE	N/A	BLUE	CLEAR	2" FLIP LOCK	HDPE	
303679636	SB8.5R.TNT	6.5 X 7	0.5	SADDLE	N/A	N/A	RED	1.75 FLIP LOCK	HDPE	
303679817	PB8.5WK	6.5 X 7	0.5	SADDLE	7 DAYS	7 COLORS	CLEAR	1.75 FLIP LOCK	HDPE	

### Quality Inspection:

Criteria	Requirement	Insp. Level	AQL
Dimension	Mil-STD-105E	S-2	4.0
Physical Properties	Mil-STD-105E	S-2	4.0
FDA 1,000 ml Water Leak Test	Mil-STD-105E	G-I	4.0
Visual Inspection for major defects	Mil-STD-105E	G-I	2.5
Visual Inspection for minor defects	Mil-STD-105E	G-I	4.0
Length Tolerance	+/- 1%	S-2	4.0
Width Tolerance	+/- 1%	S-2	4.0
Weight Tolerance	TBD	S-2	4.0
Flip Lock Tolerance	+/- 1/4 in	S-2	4.0
Thickness Tolerance	- 0/ + 5%	S-2	4.0
Case Count	+/- 2%	S-2	4.0
Saddle Count (100pcs per side)	+/- 2%	S-2	4.0
Roll Count	+/- 2%	S-2	4.0

**Product Compliance:** Tuffgards Polyethylene bags are produced from high molecular weight, High Density Polyethylene with resin which fully complies with FDA Rule 177.1520 for food contact.

Supplier Quality Dept. Approval (Signature): \_\_\_\_\_ Date: \_\_\_\_\_

Supplier Quality Dept. Approval (Print Name): \_\_\_\_\_ Job Title \_\_\_\_\_

Note: Any changes in raw materials, blend formula, equipment or process will warrant re-submission of item for HGI approval.

**Handgards®**

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*Specifications*



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# TECHNICAL DATA FORM

BRAND: HGI

TYPE: HDPE

PRODUCT: Tuffgards

	Technical Data	Test	Objective	Relevance	FDA Requirement	ASTM Requirement	HGI Requirement	Specification	Result/Target
Quality Inspection	General Description	Raw Material		Meet FDA Rule 177.1520 for food contact	Rule 177.1520	None	Annual COG	Rule 177.1520	Pass
	Visual Inspection	Minor Visual Defects	Embedded particle < 5mm long, Discoloration,	Product out of polluting agents	Rule 177.1520	None	Inspection Level: G-1 AQL: 4.0/Every Lot	Visual Standard	Pass
		Major Visual Defects	Insect, hair, mixed type, mixed size, incomplete, torn	Product out of polluting agents	Rule 177.1520	None	Inspection Level: G-1 AQL: 2.5/Every Lot	Visual Standard	Pass
	Watertight Test	water test	Meet AQL requirements		None	D3578	Yes		Pass
	Form, Fit & Function	Seal Test	Verify no voids on seals	Customer application	None	None	Yes	Air Test	Pass
	Form, Fit & Function	Perforation	Perforation must break evenly	Customer application	None	None	Yes	Ref: QAJIRE-0001	Pass
Product Safety Compliance	<b>CHEMICAL</b>								
	Chemical Contamination	Heavy Metals	Food and Product Safety	CONEG Legislation	None	TBD	Quarterly Random Testing	CONEG Compliance	Comply
	Product Composition	Spectroscopy and/or Calorimetry	Food and Product Safety	Confirm Chemical Composition	None	TBD	Quarterly Random Testing	HGI Spec.	Comply
	<b>MICROBIAL/ BIOBURDEN</b>								
	TPC	Microbial Content	Food and Product Safety	Microbial compliance	None	AOAC & BAM	Quarterly Random Testing	5000 CFU max	Comply
	E. Coli	Microbial Content	Food and Product Safety	Microbial compliance	None	AOAC & BAM	Quarterly Random Testing	Negative	Comply
	Salmonella	Microbial Content	Food and Product Safety	Microbial compliance	None	AOAC & BAM	Quarterly Random Testing	Negative	Comply



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SOCIAL COMPLIANCE									
Product Safety Compliance	Labor, Ethical & Safety Requirements	HGI Code of Conduct	Comply with all applicable laws	Legal Compliance	None	None	Annual COC	Acceptance Signature	Comply
	DOCUMENTATION								
	FDA Certificate of Guarantee (COG)		Food Safety & FDA Compliance	FDA for food contact on all ingredients	FDA for food contact and FDA medical devices		Annual Certificate or w/Formulation, Supplier changes		Comply
	Certificate of Analysis (COA)		Compliance to Specs.	Pre-shipping container release			Every PO Pre-Shipment		Comply
	Formulation or Product Components		Food Safety	Required by HGI, Customers and for Registration			Annual Certificate or w/Formulation, Supplier changes		Comply
	MSDS for all components		OSHA Compliance	Product Safety Requirement			Annual Certificate or w/Formulation, Supplier changes		Comply
	Signed Specification		Customer Compliance	Customer and HGI's Compliance			Annual or w/spec changes		Comply
Packaging									
Graphics									