

SATO-Direct 100P

FACESHEET

Basis Weight (lb/ream)	49
Caliper Target (mils)	3.2
Tensile MD Target (lb/in)	25
Tensile CD Target (lb/in)	16
Tear MD (grams)	
Tear CD (grams)	
Stiffness MD (grams)	
Stiffness CD (grams)	
Color	White

ADHESIVE

Description	Permanent
Caliper Target (mils)	0.6

LINER

Description	40# White Kraft
Caliper Target (mils)	2.4

TOTAL CALIPER

Caliper Target (mils)	6.2
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ENVIRONMENT

Storage Temperature (°F)	40	to	72
Storage Humidity (%RH)	35	to	75
Shelf Life (months)	12		
Min Application Temp (°F)	32		
Service Temperature (°F)	-4	to	120

SPECIAL NOTES:

FACESHEET TYPE

- ✓ Paper
- Film

PRODUCT TYPE

- ✓ Label
- Tag
- Receipt

IMAGING CAPABILITY

- ✓ Direct Thermal
- Thermal Transfer - Wax
- Thermal Transfer - Wax/Resin
- Thermal Transfer - Resin
- Laser

AGENCY RECOGNITION

- UL
- cUL
- FSC
- FDA.21 CFR 175.105
- ✓ BPA Free

MAXIMUM OUTDOOR LIFE

- ✓ For Indoor Use only
- <6 months
- <12 months
- <18 months
- 2 years

The above data represents product averages, allowing for industry accepted variances. These products should be tested in the end-use conditions to ensure that they meet the requirements of the specific application. Specification may change without notice.

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SATO-Direct 125P

FACESHEET

Basis Weight (lb/ream)	51
Caliper Target (mils)	3.2
Tensile MD Target (lb/in)	30
Tensile CD Target (lb/in)	16
Tear MD (grams)	
Tear CD (grams)	
Stiffness MD (grams)	
Stiffness CD (grams)	
Color	White

ADHESIVE

Description	Tackified Acrylic Permanent
Caliper Target (mils)	0.5

LINER

Description	Glassine
Caliper Target (mils)	1.7

TOTAL CALIPER

Caliper Target (mils)	5.4
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ENVIRONMENT

Storage Temperature (°F)	40	to	72
Storage Humidity (%RH)	35	to	75
Shelf Life (months)	12		
Min Application Temp (°F)	32		
Service Temperature (°F)	-4	to	120

SPECIAL NOTES:

Offers a thin liner allowing additional labels per roll.

FACESHEET TYPE

- ✓ Paper
- Film

PRODUCT TYPE

- ✓ Label
- Tag
- Receipt

IMAGING CAPABILITY

- ✓ Direct Thermal
- Thermal Transfer - Wax
- Thermal Transfer - Wax/Resin
- Thermal Transfer - Resin
- Laser

AGENCY RECOGNITION

- UL
- cUL
- FSC
- FDA.21 CFR 175.105
- ✓ BPA Free

MAXIMUM OUTDOOR LIFE

- ✓ For Indoor Use only
- <6 months
- <12 months
- <18 months
- 2 years

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10/18/2021

SATO-Direct 200P

FACESHEET

Basis Weight (lb/ream)	51
Caliper Target (mils)	3.2
Tensile MD Target (lb/in)	28
Tensile CD Target (lb/in)	14
Tear MD (grams)	
Tear CD (grams)	
Stiffness MD (grams)	
Stiffness CD (grams)	
Color	White

ADHESIVE

Description	Tackified Acrylic Permanent
Caliper Target (mils)	0.5

LINER

Description	40# White Kraft
Caliper Target (mils)	2.4

TOTAL CALIPER

Caliper Target (mils)	6.1
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ENVIRONMENT

Storage Temperature (°F)	40	to	72
Storage Humidity (%RH)	35	to	75
Shelf Life (months)	12		
Min Application Temp (°F)	32		
Service Temperature (°F)	-4	to	120

SPECIAL NOTES:

FACESHEET TYPE

- ✓ Paper
- Film

PRODUCT TYPE

- ✓ Label
- Tag
- Receipt

IMAGING CAPABILITY

- ✓ Direct Thermal
- Thermal Transfer - Wax
- Thermal Transfer - Wax/Resin
- Thermal Transfer - Resin
- Laser

AGENCY RECOGNITION

- UL
- cUL
- ✓ FSC
- FDA.21 CFR 175.105
- ✓ BPA Free

MAXIMUM OUTDOOR LIFE

- ✓ For Indoor Use only
- <6 months
- <12 months
- <18 months
- 2 years

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SATO-Direct 200CT

FACESHEET

Basis Weight (lb/ream)	47.2
Caliper Target (mils)	3.1
Tensile MD Target (lb/in)	37
Tensile CD Target (lb/in)	17
Tear MD (grams)	45
Tear CD (grams)	
Stiffness MD (grams)	90
Stiffness CD (grams)	35
Color	White

ADHESIVE

Description	Acrylic Cold Temperature
Caliper Target (mils)	0.6

LINER

Description	40# SC
Caliper Target (mils)	2.4

TOTAL CALIPER

Caliper Target (mils)	6.1
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ENVIRONMENT

Storage Temperature (°F)	40	to	72
Storage Humidity (%RH)	35	to	75
Shelf Life (months)	12		
Min Application Temp (°F)	-20		
Service Temperature (°F)	-65	to	120

SPECIAL NOTES:

FACESHEET TYPE

- ✓ Paper
- Film

PRODUCT TYPE

- ✓ Label
- Tag
- Receipt

IMAGING CAPABILITY

- ✓ Direct Thermal
- Thermal Transfer - Wax
- Thermal Transfer - Wax/Resin
- Thermal Transfer - Resin
- Laser

AGENCY RECOGNITION

- UL
- cUL
- ✓ FSC
- ✓ FDA.21 CFR 175.105
- BPA Free

MAXIMUM OUTDOOR LIFE

- ✓ For Indoor Use only
- <6 months
- <12 months
- <18 months
- 2 years

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SATO-Direct 225CT

FACESHEET

Basis Weight (lb/ream)	50
Caliper Target (mils)	3.2
Tensile MD Target (lb/in)	35
Tensile CD Target (lb/in)	14
Tear MD (grams)	50
Tear CD (grams)	55
Stiffness MD (grams)	
Stiffness CD (grams)	
Color	White

ADHESIVE

Description	Rubber Cold Temperature
Caliper Target (mils)	0.7

LINER

Description	Glassine
Caliper Target (mils)	1.6

TOTAL CALIPER

Caliper Target (mils)	5.5
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ENVIRONMENT

Storage Temperature (°F)	40	to	72
Storage Humidity (%RH)	35	to	75
Shelf Life (months)	12		
Min Application Temp (°F)	-10		
Service Temperature (°F)	-65	to	120

SPECIAL NOTES:

Offers a thin liner allowing additional labels per roll.

FACESHEET TYPE

- ✓ Paper
- Film

PRODUCT TYPE

- ✓ Label
- Tag
- Receipt

IMAGING CAPABILITY

- ✓ Direct Thermal
- Thermal Transfer - Wax
- Thermal Transfer - Wax/Resin
- Thermal Transfer - Resin
- Laser

AGENCY RECOGNITION

- UL
- cUL
- FSC
- FDA.21 CFR 175.105
- ✓ BPA Free

MAXIMUM OUTDOOR LIFE

- ✓ For Indoor Use only
- <6 months
- <12 months
- <18 months
- 2 years

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10/18/2021

SF300 DuraMark Gloss Polyester

FACESHEET

Basis Weight (lb/ream)	
Caliper Target (mils)	2
Tensile MD Target (lb/in)	21.3
Tensile CD Target (lb/in)	28.4
Tear MD (grams)	
Tear CD (grams)	
Stiffness MD (grams)	
Stiffness CD (grams)	
Color	White

ADHESIVE

Description	Emulsion Acrylic Permanent
Caliper Target (mils)	0.8

LINER

Description	50# SCK
Caliper Target (mils)	3.2

TOTAL CALIPER

Caliper Target (mils)	6
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ENVIRONMENT

Storage Temperature (°F)	40	to	72
Storage Humidity (%RH)	35	to	75
Shelf Life (months)	12		
Min Application Temp (°F)	25		
Service Temperature (°F)	-40	to	300

SPECIAL NOTES:

FACESHEET TYPE

- Paper
- ✓ Film

PRODUCT TYPE

- ✓ Label
- Tag
- Receipt

IMAGING CAPABILITY

- Direct Thermal
- Thermal Transfer - Wax
- Thermal Transfer - Wax/Resin
- ✓ Thermal Transfer - Resin
- Laser

AGENCY RECOGNITION

- ✓ UL
- cUL
- FSC
- ✓ FDA.21 CFR 175.105
- BPA Free

MAXIMUM OUTDOOR LIFE

- For Indoor Use only
- <6 months
- <12 months
- <18 months
- ✓ 2 years

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SATO-Transfer 200P

FACESHEET

Basis Weight (lb/ream)	42
Caliper Target (mils)	2.8
Tensile MD Target (lb/in)	22
Tensile CD Target (lb/in)	15
Tear MD (grams)	
Tear CD (grams)	
Stiffness MD (grams)	
Stiffness CD (grams)	
Color	White

ADHESIVE

Description	Acrylic Permanent
Caliper Target (mils)	0.6

LINER

Description	40# White Kraft
Caliper Target (mils)	2.4

TOTAL CALIPER

Caliper Target (mils)	5.8
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ENVIRONMENT

Storage Temperature (°F)	40	to	72
Storage Humidity (%RH)	35	to	75
Shelf Life (months)	12		
Min Application Temp (°F)	32		
Service Temperature (°F)	-4	to	175

SPECIAL NOTES:

FACESHEET TYPE

- ✓ Paper
- Film

PRODUCT TYPE

- ✓ Label
- Tag
- Receipt

IMAGING CAPABILITY

- Direct Thermal
- ✓ Thermal Transfer - Wax
- Thermal Transfer - Wax/Resin
- Thermal Transfer - Resin
- Laser

AGENCY RECOGNITION

UL
cUL
FSC® C172051
FDA.21 CFR 175.105
BPA Free

MAXIMUM OUTDOOR LIFE

- ✓ For Indoor Use only
- <6 months
- <12 months
- <18 months
- 2 years

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3/9/2023

SF100 Polypropylene

FACESHEET

Basis Weight (lb/ream)	
Caliper Target (mils)	2.6
Tensile MD Target (lb/in)	13.5
Tensile CD Target (lb/in)	27.5
Tear MD (grams)	
Tear CD (grams)	
Stiffness MD (grams)	22
Stiffness CD (grams)	
Color	White

ADHESIVE

Description	Emulsion Acrylic Permanent
Caliper Target (mils)	0.8

LINER

Description	40# BG
Caliper Target (mils)	2.11

TOTAL CALIPER

Caliper Target (mils)	5.51
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ENVIRONMENT

Storage Temperature (°F)	40	to	72
Storage Humidity (%RH)	35	to	75
Shelf Life (months)	12		
Min Application Temp (°F)	23		
Service Temperature (°F)	-20	to	200

SPECIAL NOTES:

FACESHEET TYPE

- Paper
- ✓ Film

PRODUCT TYPE

- ✓ Label
- Tag
- Receipt

IMAGING CAPABILITY

- Direct Thermal
- Thermal Transfer - Wax
- ✓ Thermal Transfer - Wax/Resin
- Thermal Transfer - Resin
- Laser

AGENCY RECOGNITION

- UL
- cUL
- FSC® C172051
- ✓ FDA.21 CFR 175.105
- BPA Free

MAXIMUM OUTDOOR LIFE

- For Indoor Use only
- <6 months
- ✓ <12 months
- <18 months
- 2 years

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3/9/2023



- Print speeds up to 8 ips (format & carrier dependent)
- Prints on paper & polypropylene labels and tags
- Good print quality on flood-coated labels
- Good smudge & scratch resistance
- Prints at low print head energy heat settings

TECHNICAL DATA

RIBBON PROPERTY	
Base Material	Polyester film
Ink Color	Black
Transmission Density	More than 1.0
Back Coating	Yes
Total Thickness	7.7 + -0.5 μ m
Ink Thickness	3.2 + -0.2 μ m
Optical Density	
Ink Melt Point	150°F (66°C)
Recommended Substrates	Coated and uncoated paper, tag stocks
DURABILITY OF PRINTED IMAGE	
Smudge & Scratch Resistance	Good
Storage Condition	40°-90°F (5 - 35°C) / 20-85 %RH
Storage Life	1 year after manufacturing
APPLICATION FIELDS	

Inventory, Carton/Shipping, Cross-Docking, Retail Labeling, Work In Process, Signage & Logos, Laboratory, Healthcare, Tags, Click and Collect, Livestock, Conveyor Sorting, Kanban Labeling
Please contact us if your application is not among these.

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 Specification may change without notice.





- Print speeds up to 8 ips (format & carrier dependent)
- Prints on paper labels and tags
- Best performance for value solution
- Moderate smudge & scratch resistance
- Prints at low print head energy heat settings

TECHNICAL DATA

RIBBON PROPERTY	
Base Material	Polyester Film
Ink Color	Black
Transmission Density	1.95
Back Coating	Yes
Total Thickness	7.1 ± 0.3 µm
PET Thickness	4.4 µm
Optical Density	≥ 1.82 D
Ink Melt Point	154.4°F (68°C)
Recommended Substrates	Art paper, coated and uncoated paper, tag stocks
DURABILITY OF PRINTED IMAGE	
Smudge & Scratch Resistance	Moderate
Storage Condition	40°-90°F (5-35°C), 20-85% RH
Storage Life	1 year after manufacturing
APPLICATION FIELDS	

Inventory, Carton/Shipping, Cross-Docking, Retail Labeling, Work In Process, Signage & Logos, Laboratory, Healthcare, Tags, Click and Collect, Livestock, Conveyor Sorting, Kanban Labeling

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- Prints on a high-end film
- Good heat resistance
- High solvent resistance
- Excellent smudge & scratch resistance
- UL recognized when paired with SF300 DuraMark Gloss Polyester label

TECHNICAL DATA

RIBBON PROPERTY	
Base Material	Polyester Film
Ink Color	Black
Transmission Density	
Back Coating	Yes
Total Thickness	< 9 μm
PET Thickness	4.5 μm
Optical Density	1.7
Ink Melt Point	176°F (80°C)
Recommended Substrates	Polypropylene and Polyester films
DURABILITY OF PRINTED IMAGE	
Smudge & Scratch Resistance	Excellent
Storage Condition	40-90°F (5-35°C), 20-80% RH
Storage Life	1 year after manufacturing
APPLICATION FIELDS	

Asset Tracking, Product Compliance, Cryogenic, Electronics, Nameplates, Outdoor Storage, Inventory, Pharmaceutical, Cosmetics, Retail Labeling, Signage & Logos, Laboratory, Healthcare, Tags, Outdoor Applications, Conveyor Sorting, Chemical Drums, Automotive

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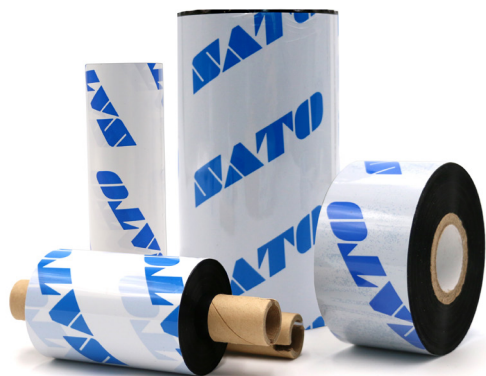
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- Excellent Resistance to Solvents
- Excellent Smudge, Scratch and Smear Resistance
- High Heat Resistance
- Excellent Printing Quality

TECHNICAL DATA

RIBBON PROPERTY	
Base Material	Polyester Film
Ink Color	Black
Transmission Density	
Back Coating	Silicon based / Friction coefficient Kd < 0.2
Total Thickness	< 9 μ m
PET Thickness	4.5 μ m
Optical Density	≥ 1.6 D
Ink Melt Point	185°F (85°C)
Recommended Substrates	Polypropylene, Polyester, and Polyimide films
DURABILITY OF PRINTED IMAGE	
Smudge & Scratch Resistance	Excellent
Storage Condition	40-90°F (5-35°C), 20-80% Humidity Rate
Storage Life	1 year after manufacturing
APPLICATION FIELDS	

Asset Tracking, Product Compliance, Cryogenic, Electronics, Nameplates, Outdoor Storage, Inventory, Pharmaceutical, Cosmetics, Retail Labeling, Signage & Logos, Laboratory, Healthcare, Tags, Outdoor Applications, Conveyor Sorting, Chemical Drums, Automotive

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- Prints on a polyester and polyimide
- Superior solvent resistance
- Excellent smudge & scratch resistance
- High heat resistance
- UL recognized when paired with SF300 DuraMark Gloss Polyester label

TECHNICAL DATA

RIBBON PROPERTY	
Base Material	Polyester Film
Ink Color	Black
Transmission Density	Minimum 0.65
Back Coating	Yes
Total Thickness	< 9 μm
PET Thickness	< 4 μm
Optical Density	More than 1.2 (on PET film)
Ink Melt Point	182°F (83°C)
Recommended Substrates	Polypropylene, Polyester, and Polyimide films
DURABILITY OF PRINTED IMAGE	
Smudge & Scratch Resistance	Excellent
Storage Condition	40 - 90°F (5 - 35°C) / 30-80 % RH
Storage Life	2 years after manufacturing
APPLICATION FIELDS	

Asset Tracking, Product Compliance, Cryogenic, Electronics, Nameplates, Outdoor Storage, Inventory, Pharmaceutical, Cosmetics, Retail Labeling, Signage & Logos, Laboratory, Healthcare, Tags, Outdoor Applications, Conveyor Sorting, Chemical Drums, Automotive

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- Print speeds up to 8 ips (format & carrier dependent)
- Prints on paper & polypropylene labels and tags
- Good smudge & scratch resistance
- Prints at moderate print head energy heat settings

TECHNICAL DATA

RIBBON PROPERTY

Base Material	Polyester Film
Ink Color	Black
Transmission Density	2.1
Back Coating	Yes
Total Thickness	< 9 µm
PET Thickness	4.5 µm
Optical Density	1.6
Ink Melt Point	167°F (75°C)
Recommended Substrates	Coated and uncoated paper, tag stocks, and synthetics

DURABILITY OF PRINTED IMAGE

Smudge & Scratch Resistance	Good
Storage Conditions	40-90°F (5-35°C), 20-80% RH
Storage Life	1 year after manufacturing

APPLICATION FIELDS

Inventory, Shipping, Pharmaceutical, Cosmetics, Shelf-edge, Markdown, Lawn and Garden, Ingredient, Food Rotation, Work In Process, Rating Plates, Retail Labeling, Care Labels, Signage & Logos, Laboratory, Healthcare, Tags, Short Term Outdoor Applications, Conveyor Sorting, Chemical Drums

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- Print speeds up to 12 ips (format & carrier dependent)
- Prints on paper & polypropylene labels and tags
- Good smudge & scratch resistance
- Prints at moderate print head energy heat settings

TECHNICAL DATA

RIBBON PROPERTY	
Base Material	Polyester Film
Ink Color	Black
Transmission Density	1.95
Back Coating	Yes
Total Thickness	Black < 7.8 µm Anti static build-up treated
PET Thickness	4.5 µm
Optical Density	≥ 1.76 D
Ink Melt Point	185°F (85°C)
Recommended Substrates	Coated and uncoated paper, tag stocks, and synthetics
DURABILITY OF PRINTED IMAGE	
Smudge & Scratch Resistance	Good
Storage Condition	40°-90°F (5-35°C), 20-85% RH
Storage Life	1 year after manufacturing
APPLICATION FIELDS	

Inventory, Shipping, Pharmaceutical, Cosmetics, Shelf-edge, Markdown, Lawn and Garden, Ingredient, Food Rotation, Work In Process, Rating Plates, Retail Labeling, Care Labels, Signage & Logos, Laboratory, Healthcare, Tags, Short Term Outdoor Applications, Conveyor Sorting, Chemical Drums

Please contact us if your application is not among these.

The above data represents product averages, allowing for industry accepted variances. These products should be tested in the end-use conditions to ensure that they meet the requirements of the specific application. Specification may change without notice.

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LABEL MANUFACTURING, SERVICE & SALES

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- Prints on a wide variety of media
- Reliable, sharp-edge print quality
- High smudge & scratch resistance
- Prints at moderate print head energy heat settings

TECHNICAL DATA

RIBBON PROPERTY	
Base Material	Polyester Film
Ink Color	Black
Transmission Density	Minimum 1.2
Back Coating	
Total Thickness	
PET Thickness	4.5 ± 0.4 µm
Optical Density	More than 1.2 (on PET film)
Ink Melt Point	185°F (85°C)
Recommended Substrates	Coated and uncoated paper, tag stocks, and synthetics
DURABILITY OF PRINTED IMAGE	
Smudge & Scratch Resistance	High
Storage Condition	40°-90°F (5-35°C), 20-85% RH
Storage Life	2 years after manufacturing

Inventory, Shipping, Pharmaceutical, Cosmetics, Shelf-edge, Markdown, Lawn and Garden, Ingredient, Food Rotation, Work In Process, Rating Plates, Retail Labeling, Care Labels, Signage & Logos, Laboratory, Healthcare, Tags, Short Term Outdoor Applications, Conveyor Sorting, Chemical Drums

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- Print speeds up to 12 ips (format & carrier dependent)
- Prints on a wide variety of media
- High smudge & scratch resistance
- Prints at moderate print head energy heat settings

TECHNICAL DATA

RIBBON PROPERTY	
Base Material	Polyester Film
Ink Color	Black
Transmission Density	1.95
Back Coating	Yes
Total Thickness	Black < 9 µm Anti static build-up treated
PET Thickness	4.5 µm
Optical Density	≥ 2.1 D
Ink Melt Point	185°F (85°C)
Recommended Substrates	Coated and uncoated paper, tag stocks, and synthetics
DURABILITY OF PRINTED IMAGE	
Smudge & Scratch Resistance	High
Storage Condition	40°-90°F (5-35°C), 20-85% RH
Storage Life	1 year after manufacturing

Inventory, Shipping, Pharmaceutical, Cosmetics, Shelf-edge, Markdown, Lawn and Garden, Ingredient, Food Rotation, Work In Process, Rating Plates, Retail Labeling, Care Labels, Signage & Logos, Laboratory, Healthcare, Tags, Short Term Outdoor Applications, Conveyor Sorting, Chemical Drums

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