

OPTIMUS CST ACRYLIC

TECHNICAL DATA SHEET

BACKING: Biaxially Oriented Polypropylene

ADHESIVE: Emulsion Pressure Sensitive Water Based Acrylic

Total Thickness (Micron)	40	43	45	47	50	65	78
Film Thickness	22	25	25	25	28	40	50
Adhesive Thickness	18	18	20	22	22	25	28
Peel Adhesion to Steel	24oz/in	24oz/in	25oz/in	26oz/in	27oz/in	28oz/in	30oz/in
Tensile Strength	21lb/in	22lb/in	23lb/in	23.4lb/in	26lb/in	30lb/in	32.7lb/in
Elongation	160%	160%	160%	160%	160%	180%	140%

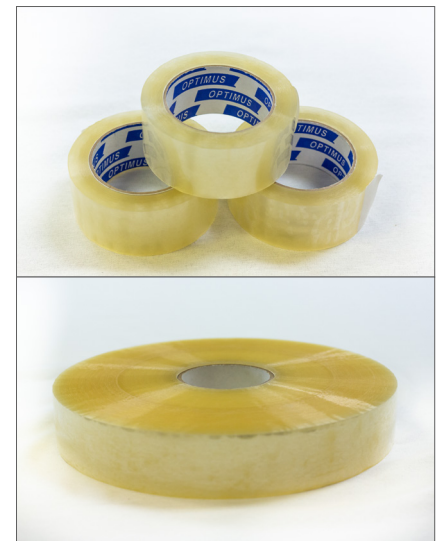
- Total Thickness Allowance: +/- .08mil
- Data represents the minimum value from the results of a series of tests
- Tape Thickness (ASTM Test Method D-3652)

STORAGE CONDITIONS: Store in a clean dry place. Temperature of 25°-2° C, and 55% +/-5% relative humidity is recommended

Minimum Application Temperature	20°F
Maximum Application Temperature	110°F

Safety/ Environmental Information

MSDS: S	Hazard Ratings:
Health: 1	0. Minimal
Fire: 0	1. Slight
Reactivity: 0	2. Moderate
VOC: N/A	3. Serious
CONEG: Complies	4. Extreme



Does not contain any substances according to the Ozone Depleting Substances, 40 CFR Part 82 and the Safe Drinking Water and Toxic Enforcement Act of 1986

All properties are approximate and are based on tests believed to be reliable and performed in conformance with recommended test methods. These values are presented for comparison purposes and do not represent a guarantee by the manufacturer. It is suggested that purchasers should test, prior to use, the sustainability of this product for their particular application.

OPTIMUS HOT MELT TAPES

TECHNICAL DATA SHEET

BACKING: Biaxially Oriented Polypropylene

ADHESIVE: Synthetic Rubber

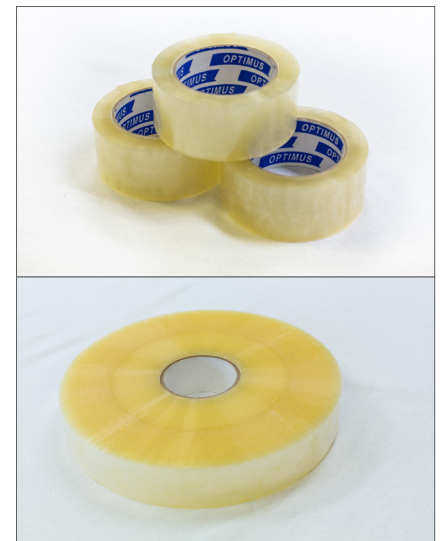
Total Thickness (Micron)	40	45	47	63	75
Film Thickness	25	28	30	40	50
Adhesive Thickness	15	27	17	23	25
Peel Adhesion to Steel	45oz/in	47oz/in	47.7oz/in	54oz/in	56oz/in
Tensile Strength	20.4lb/in	22.9lb/in	23.3lb/in	32lb/in	45lb/in
Elongation	160%	160%	160%	180%	200%

- Total Thickness Allowance: +/- .08mil
- Data represents the minimum value from the results of a series of tests
- Tape Thickness (ASTM Test Method D-3652)

STORAGE CONDITIONS: Store in a clean dry place. Temperature of 23C +/- 2 C, and 50% +/- 5% relative humidity is recommended

Safety/ Environmental Information

MSDS: S	Hazard Ratings:
Health: 1	0. Minimal
Fire: 0	1. Slight
Reactivity: 0	2. Moderate
VOC: N/A	3. Serious
CONEG: Complies	4. Extreme



Does not contain any substances according to the Ozone Depleting Substances, 40 CFR Part 82 and the Safe Drinking Water and Toxic Enforcement Act of 1986

All properties are approximate and are based on tests believed to be reliable and performed in conformance with recommended test methods. These values are presented for comparison purposes and do not represent a guarantee by the manufacturer. It is suggested that purchasers should test, prior to use, the sustainability of this product for their particular application.

105 STRAPPING TAPE

TECHNICAL DATA SHEET

NOMINAL VALUES	
Backing	Tensilized MOPP Film
Adhesive	Water Based Acrylic
Adhesion to Steel	32 oz/in of width
Tensile Strength	97#s/inch of width
Elongation	35%
Total Thickness	2.8mil
Color	Black

The #105 is a general purpose high strength strapping tape used for palletizing, bundling, and unitizing. It is manufactured with a tensilized MOPP film with a water based acrylic adhesive. It's standard color is black, but is also available in clear and white.



All properties are approximate and are based on tests believed to be reliable and performed in conformance with recommended test methods. These values are presented for comparison purposes and do not represent a guarantee by the manufacturer. It is suggested that purchasers should test, prior to use, the sustainability of this product for their particular application.

460 DUCT TAPE

TECHNICAL DATA SHEET

NOMINAL VALUES	
Backing	Polyethylene Film with Cloth Carrier
Adhesive	Natural Rubber
Adhesion to Steel	60 oz/in of width
Tensile Strength	26#s/inch of width
Elongation	20%
Total Thickness	6mil
Color	Silver
Service Temperature Range	40°F to 200°F

This economy grade 6mil duct tape has a PE film with cloth carrier backing. It's available in silver. The #460 is for non-critical applications in packaging, bundling, sealing, repairing, holding, and waterproofing.



All properties are approximate and are based on tests believed to be reliable and performed in conformance with recommended test methods. These values are presented for comparison purposes and do not represent a guarantee by the manufacturer. It is suggested that purchasers should test, prior to use, the sustainability of this product for their particular application.

593 DUCT TAPE

TECHNICAL DATA SHEET

NOMINAL VALUES	
Backing	Polyethylene Film with Cloth Carrier
Adhesive	Natural Rubber
Adhesion to Steel	60 oz/in of width
Tensile Strength	26#s/inch of width
Elongation	21%
Total Thickness	8mil
Color	Silver
Service Temperature Range	40°F to 200°F

This general purpose grade 8mil duct tape has a PE film with cloth carrier backing. It's available in silver. The #593 is for general purpose applications in packaging, bundling, sealing, repairing, holding, and waterproofing. It works great in cold temperature applications, and is hand tearable in machine and cross directions.



All properties are approximate and are based on tests believed to be reliable and performed in conformance with recommended test methods. These values are presented for comparison purposes and do not represent a guarantee by the manufacturer. It is suggested that purchasers should test, prior to use, the sustainability of this product for their particular application.

600 DUCT TAPE

TECHNICAL DATA SHEET

NOMINAL VALUES	
Backing	Polyethylene Film with Cloth Carrier
Adhesive	Natural Rubber
Adhesion to Steel	55 oz/in of width
Tensile Strength	26#s/inch of width
Elongation	17%
Total Thickness	9mil
Color	Silver
Service Temperature Range	32°F to 200°F

This general purpose grade 8mil duct tape has a PE film with cloth carrier backing. It's available in silver. The #600 is for general purpose use in industrial, carpet, plumbing, packaging & masking in HVAC, sealing, waterproofing, remediation and restoration. It is hand tearable, and will not twist or curl during use.



All properties are approximate and are based on tests believed to be reliable and performed in conformance with recommended test methods. These values are presented for comparison purposes and do not represent a guarantee by the manufacturer. It is suggested that purchasers should test, prior to use, the sustainability of this product for their particular application.

9190 FILAMENT TAPE

TECHNICAL DATA SHEET

NOMINAL VALUES	
Backing	Biaxial Oriented PP Film
Adhesive	Synthetic Rubber
Reinforcement	Fiberglass
Adhesion to Steel	70 oz/in of width
Tensile Strength	110#/s/inch of width
Temperature Resistance	Range -22°F to 130°F
Total Thickness	4.5mil
Color	Translucent Ivory

This filament tape has a polypropylene film with fiberglass reinforcements with a synthetic rubber adhesive. It's a strong filment with an aggressive tack. It's also water and moisture resistant.

9190 is designed for bundling & strapping applicatons requiring more demanding tensile strength.



All properties are approximate and are based on tests believed to be reliable and performed in conformance with recommended test methods. These values are presented for comparison purposes and do not represent a guarantee by the manufacturer. It is suggested that purchasers should test, prior to use, the sustability of this product for their particular application.

FT100 FILAMENT TAPE

TECHNICAL DATA SHEET

NOMINAL VALUES	
Backing	1.0mil Biaxial Oriented PP Film
Adhesive	Synthetic Rubber
Reinforcement	Fiberglass
Adhesion to Steel	60 oz/in of width
Tensile Strength	100#/s/inch of width
Elongation	3% at break
Total Thickness	4.0mil
Color	Clear

This filament tape has a 1.0mil polypropylene film with fiberglass reinforcements with a synthetic rubber adhesive. It provides good adhesion & holding power.

FT100 is designed for light bundling & strapping applicatons requiring lower tensile strength.



All properties are approximate and are based on tests believed to be reliable and performed in conformance with recommended test methods. These values are presented for comparison purposes and do not represent a guarantee by the manufacturer. It is suggested that purchasers should test, prior to use, the sustability of this product for their particular application.

N199 FLATBACK TAPE

TECHNICAL DATA SHEET

BACKING: Kraft Flat back Paper

ADHESIVE: Synthetic Rubber

STANDARD	VALUE	TEST METHOD
Total Thickness	6.6mil	PSTC-133
Adhesion to Stainless Steel	54oz/in	PSTC-101
Elongation	8%	PSTC-131
Service Temperature Max	120F	NTK
Service Temperature Min	50F	NTK
Tensile Strength	48lb/in	PSTC-131
Loop Tack (Stickiness)	53oz/in	PSTC-16



All properties are approximate and are based on tests believed to be reliable and performed in conformance with recommended test methods. These values are presented for comparison purposes and do not represent a guarantee by the manufacturer. It is suggested that purchasers should test, prior to use, the sustainability of this product for their particular application.

97 FLATBACK TAPES

TECHNICAL DATA SHEET

BACKING: Kraft Flatback Paper

ADHESIVE: Synthetic Rubber

STANDARD	VALUE	ASTM TEST METHOD
Total Thickness	6.2mil	D3652 & 3652M
Adhesion to Stainless Steel	85oz/in	D3330 & D3330M
Elongation	6%	D3759 & D3759M
Service Temperature Max	150F	N/A
Service Temperature Min	60F	N/A
Tensile Strength	35lb/in	D3759 & D3759M
Tensile Strength Machine Direction	33lb/in	D3759 & D3759M



All properties are approximate and are based on tests believed to be reliable and performed in conformance with recommended test methods. These values are presented for comparison purposes and do not represent a guarantee by the manufacturer. It is suggested that purchasers should test, prior to use, the sustainability of this product for their particular application.

OPTIMUS 57A GENERAL PURPOSE MASKING TAPE

TECHNICAL DATA SHEET

BACKING: Crepe Paper

ADHESIVE: Synthetic Rubber Based

ADHESIVE: Natural

PHYSICAL PROPERTIES	STANDARD
Total Thickness	4.2mil
Peel Adhesion to Steel	25 oz/in
Tensile Strength	19 lb/in
Elongation	10%
Temperature Resistance	60°F-150°F

Optimus 57A is for non-critical bundling and labeling applications. It's an economical masking tape that provides excellent surface contact on a range of substrates.



All properties are approximate and are based on tests believed to be reliable and performed in conformance with recommended test methods. These values are presented for comparison purposes and do not represent a guarantee by the manufacturer. It is suggested that purchasers should test, prior to use, the sustainability of this product for their particular application.

OPTIMUS 70B BLUE PAINTER MASKING TAPES

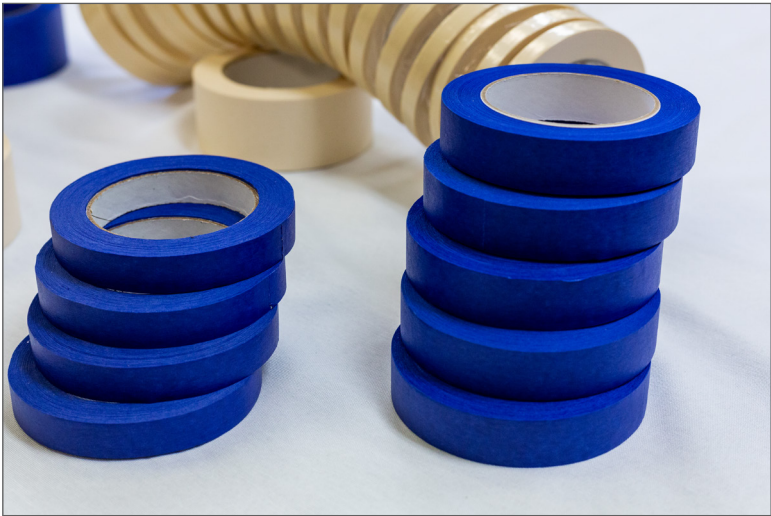
TECHNICAL DATA SHEET

BACKING: Crepe Paper

ADHESIVE: Synthetic Rubber Based

PHYSICAL PROPERTIES	STANDARD
Total Thickness	4.7mil
Peel Adhesion to Steel	27 oz/in
Tensile Strength	26 lb/in
Elongation	8%
Temperature Resistance	50°F-150°F

14-DAY CLEAN REMOVAL BLUE PAINT MASKING TAPE



All properties are approximate and are based on tests believed to be reliable and performed in conformance with recommended test methods. These values are presented for comparison purposes and do not represent a guarantee by the manufacturer. It is suggested that purchasers should test, prior to use, the sustainability of this product for their particular application.

H-10 REINFORCED WATER ACTIVATED TAPES

TECHNICAL DATA SHEET

COMPOSITION		
MATERIALS	DESCRIPTION	VALUE
Kraft Paper (Top Sheet)	Natural Virgin Kraft	20#
Kraft Paper (Bottom Sheet)	Natural Virgin Kraft	20#
Laminated Adhesive	Polyolefin Based	14#
MD Reinforcement	Fiberglass	1.76#
CD Reinforcement	Fiberglass	1.37#
Adhesive	Corn Starch Based	14.5#

PHYSICAL PROPERTIES		
PROPERTIES	TEST METHOD	TYPICAL VALUES
Basis Weight	TAPPI T410	71.6#
Caliper/Thickness	TAPPI T411	5.0-6.0mil
Tensile Strength	ASTM D-828	40-45#s/in MD 15-20#s/in CD

All properties are approximate and are based on tests believed to be reliable and performed in conformance with recommended test methods. These values are presented for comparison purposes and do not represent a guarantee by the manufacturer. It is suggested that purchasers should test, prior to use, the sustainability of this product for their particular application.



H-30 REINFORCED WATER ACTIVATED TAPES

TECHNICAL DATA SHEET

COMPOSITION		
MATERIALS	DESCRIPTION	VALUE
Kraft Paper (Top Sheet)	Natural Virgin Kraft	23#
Kraft Paper (Bottom Sheet)	Natural Virgin Kraft	23#
Laminated Adhesive	Polyolefin Based	15#
MD Reinforcement	Fiberglass	2.14#
CD Reinforcement	Fiberglass	1.37#
Adhesive	Corn Starch Based	14.5#

PHYSICAL PROPERTIES		
PROPERTIES	TEST METHOD	TYPICAL VALUES
Basis Weight	TAPPI T410	79#
Caliper/Thickness	TAPPI T411	5.0-6.0mil
Tensile Strength	ASTM D-828	47-55#s/in MD
Tensile Strength	ASTM D-828	22-27#s/in CD

All properties are approximate and are based on tests believed to be reliable and performed in conformance with recommended test methods. These values are presented for comparison purposes and do not represent a guarantee by the manufacturer. It is suggested that purchasers should test, prior to use, the sustainability of this product for their particular application.



NON-REINFORCED WATER ACTIVATED TAPE

TECHNICAL DATA SHEET

COMPOSITION		
MATERIALS	DESCRIPTION	VALUE
Kraft Paper	Natural Virgin Kraft	55#
Adhesive	Modified Corn Starch Based	14.2#

PHYSICAL PROPERTIES		
PROPERTIES	TEST METHOD	TYPICAL VALUES
Basis Weight	TAPPI T410	69.5#
Caliper/Thickness	TAPPI T411	5.2-5.7mil
Tensile Strength	ASTM D-828	40-45#/s/in MD
Tensile Strength	ASTM D-828	75 gf MD
Tensile Strength	ASTM D-828	95 gf CD

All properties are approximate and are based on tests believed to be reliable and performed in conformance with recommended test methods. These values are presented for comparison purposes and do not represent a guarantee by the manufacturer. It is suggested that purchasers should test, prior to use, the sustainability of this product for their particular application.

