

V00629

TUFFlex Premium Plus Banding Film

12 Micron / 47 Gauge / 0.53 Mil

70 Gauge Alternative

Not intended as limiting specifications

CHARACTERISTICS	VALUES
Manufacturing Process	Smart-layered Cast
Thickness (nominal)	12 Micron / 47 Gauge / 0.47 Mil
Film Width (inches)	3"
Length (feet)	1000'
Net Weight / Roll (lbs. – nominal)	.56 lbs.
Roll Diameter (O.D., inches)	4.31 inch
Core I.D.	3.014 inch

TESTS	METHODS	VALUES
Ultimate Tensile MD (PSI)	ASTM D 882	1100 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	970 PSI
Elongation MD (%)	ASTM D 882	340
Elongation TD (%)	ASTM D 882	280
Tear Resistance MD (grams)	ASTM D 1922	370
Tear Resistance TD (grams)	ASTM D 1922	280
Puncture Resistance (in-lbs.)	ASTM D 4649	151 g
Ultimate Prestretch (%)	Mfg. / Highlight	390
Cling (in to out, grams)	Mfg. method	180 g

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V00630

TUFFlex Premium Plus Banding Film

13.3 Micron / 53 Gauge / 0.53 Mil

80 Gauge Alternative

Not intended as limiting specifications

CHARACTERISTICS	VALUES
Manufacturing Process	Smart-layered Cast
Thickness (nominal)	13.3 Micron / 53 Gauge / 0.53 Mil
Film Width (inches)	3"
Length (feet)	1000'
Net Weight / Roll (lbs. – nominal)	.64 lbs.
Roll Diameter (O.D., inches)	4.42 inch
Core I.D.	3.014 inch

TESTS	METHODS	VALUES
Ultimate Tensile MD (PSI)	ASTM D 882	1200 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	1080 PSI
Elongation MD (%)	ASTM D 882	340
Elongation TD (%)	ASTM D 882	280
Tear Resistance MD (grams)	ASTM D 1922	370
Tear Resistance TD (grams)	ASTM D 1922	280
Puncture Resistance (in-lbs.)	ASTM D 4649	151 g
Ultimate Prestretch (%)	Mfg. / Highlight	450
Cling (in to out, grams)	Mfg. method	180 g

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V00631

TUFFlex Premium Plus Banding Film

15.9 Micron / 61 Gauge / 0.61 Mil

90 Gauge Alternative

Not intended as limiting specifications

CHARACTERISTICS	VALUES
Manufacturing Process	Smart-layered Cast
Thickness (nominal)	15.9 Micron / 61 Gauge / 0.61 Mil
Film Width (inches)	3"
Length (feet)	1000'
Net Weight / Roll (lbs. – nominal)	.78 lbs.
Roll Diameter (O.D., inches)	4.55 inch
Core I.D.	3.014 inch

TESTS	METHODS	VALUES
Ultimate Tensile MD (PSI)	ASTM D 882	1240 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	1180 PSI
Elongation MD (%)	ASTM D 882	350
Elongation TD (%)	ASTM D 882	290
Tear Resistance MD (grams)	ASTM D 1922	385
Tear Resistance TD (grams)	ASTM D 1922	290
Puncture Resistance (in-lbs.)	ASTM D 4649	171 g
Ultimate Prestretch (%)	Mfg. / Highlight	500
Cling (in to out, grams)	Mfg. method	180 g

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V00632

TUFFlex Premium Plus Banding Film

20.3 Micron / 80 Gauge / 0.80 Mil

1.2 mil replacement

Not intended as limiting specifications

CHARACTERISTICS	VALUES
Manufacturing Process	Smart-layered Cast
Thickness (nominal)	20.3 Micron / 80 Gauge / 0.80 Mil
Film Width (inches)	3"
Length (feet)	1000'
Net Weight / Roll (lbs. – nominal)	.96 lbs.
Roll Diameter (O.D., inches)	3.02 inch
Core I.D.	4.62 inch

TESTS	METHODS	VALUES
Ultimate Tensile MD (PSI)	ASTM D 882	1720 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	2640 PSI
Elongation MD (%)	ASTM D 882	290
Elongation TD (%)	ASTM D 882	330
Tear Resistance MD (grams)	ASTM D 1922	390
Tear Resistance TD (grams)	ASTM D 1922	510
Puncture Resistance (in-lbs.)	ASTM D 4649	210 g
Ultimate Prestretch (%)	Mfg. / Highlight	270
Cling (in to out, grams)	Mfg. method	180 g

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V00633

TUFFlex Premium Plus Banding Film

12 Micron / 47 Gauge / 0.47 Mil

70 – 80 Gauge Alternative

Not intended as limiting specifications

CHARACTERISTICS	VALUES
Manufacturing Process	Smart-layered Cast
Thickness (nominal)	12 Micron / 47 Gauge / 0.47 Mil
Film Width (inches)	5"
Length (feet)	1000'
Net Weight / Roll (lbs. – nominal)	.94 lbs.
Roll Diameter (O.D., inches)	4.31 inch
Core I.D.	3.014 inch

TESTS	METHODS	VALUES
Ultimate Tensile MD (PSI)	ASTM D 882	1100 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	970 PSI
Elongation MD (%)	ASTM D 882	340
Elongation TD (%)	ASTM D 882	280
Tear Resistance MD (grams)	ASTM D 1922	370
Tear Resistance TD (grams)	ASTM D 1922	280
Puncture Resistance (in-lbs.)	ASTM D 4649	151 g
Ultimate Prestretch (%)	Mfg. / Highlight	390
Cling (in to out, grams)	Mfg. method	180 g

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V00634

TUFFlex Premium Plus Banding Film

13.3 Micron / 53 Gauge / 0.53 Mil

80 Gauge Alternative

Not intended as limiting specifications

CHARACTERISTICS	VALUES
Manufacturing Process	Smart-layered Cast
Thickness (nominal)	13.3 Micron / 53 Gauge / 0.53 Mil
Film Width (inches)	5"
Length (feet)	1000'
Net Weight / Roll (lbs. – nominal)	1.06 lbs.
Roll Diameter (O.D., inches)	4.43 inch
Core I.D.	3.014 inch

TESTS	METHODS	VALUES
Ultimate Tensile MD (PSI)	ASTM D 882	1200 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	1080 PSI
Elongation MD (%)	ASTM D 882	340
Elongation TD (%)	ASTM D 882	280
Tear Resistance MD (grams)	ASTM D 1922	370
Tear Resistance TD (grams)	ASTM D 1922	280
Puncture Resistance (in-lbs.)	ASTM D 4649	151 g
Ultimate Prestretch (%)	Mfg. / Highlight	450
Cling (in to out, grams)	Mfg. method	180 g

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V00635

TUFFlex Premium Plus Banding Film

15.9 Micron / 61 Gauge / 0.61 Mil

90-100 Gauge Alternative

Not intended as limiting specifications

CHARACTERISTICS	VALUES
Manufacturing Process	Smart-layered Cast
Thickness (nominal)	15.9 Micron / 61 Gauge / 0.61 Mil
Film Width (inches)	5"
Length (feet)	1000'
Net Weight / Roll (lbs. – nominal)	1.22 lbs.
Roll Diameter (O.D., inches)	4.5 inch
Core I.D.	3.014 inch

TESTS	METHODS	VALUES
Ultimate Tensile MD (PSI)	ASTM D 882	1240 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	1180 PSI
Elongation MD (%)	ASTM D 882	350
Elongation TD (%)	ASTM D 882	290
Tear Resistance MD (grams)	ASTM D 1922	385
Tear Resistance TD (grams)	ASTM D 1922	290
Puncture Resistance (in-lbs.)	ASTM D 4649	171 g
Ultimate Prestretch (%)	Mfg. / Highlight	500
Cling (in to out, grams)	Mfg. method	180 g

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V00636

TUFFlex Premium Plus Banding Film

20.3 Micron / 80 Gauge / 0.80 Mil

1.2 mil replacement

Not intended as limiting specifications

CHARACTERISTICS

VALUES

Manufacturing Process	Smart-layered Cast
Thickness (nominal)	20.3 Micron / 80 Gauge / 0.80 Mil
Film Width (inches)	5"
Length (feet)	1000'
Net Weight / Roll (lbs. – nominal)	1.6 lbs.
Roll Diameter (O.D., inches)	3.02 inch
Core I.D.	4.62 inch

TESTS

METHODS

VALUES

Ultimate Tensile MD (PSI)	ASTM D 882	1720 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	2640 PSI
Elongation MD (%)	ASTM D 882	290
Elongation TD (%)	ASTM D 882	330
Tear Resistance MD (grams)	ASTM D 1922	390
Tear Resistance TD (grams)	ASTM D 1922	510
Puncture Resistance (in-lbs.)	ASTM D 4649	210 g
Ultimate Prestretch (%)	Mfg. / Highlight	270
Cling (in to out, grams)	Mfg. method	180 g

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