

# V00626

## TUFFlex Premium Plus XC Hand Film

10.2 Micron / 42 Gauge / 0.42 Mil

60 Gauge Alternative

*Not intended as limiting specifications*

CHARACTERISTICS	VALUES
Manufacturing Process	Smart-layered Cast
Thickness (nominal)	10.2 Micron / 42 Gauge / 0.42 Mil
Film Width (inches)	20"
Length (feet)	1000'
Net Weight / Roll (lbs. – nominal)	3.36 lbs.
Roll Diameter (O.D., inches)	2.77 inch
Core I.D.	1.12 inch

TESTS	METHODS	VALUES
Ultimate Tensile MD (PSI)	ASTM D 882	1300 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	1640 PSI
Elongation MD (%)	ASTM D 882	270
Elongation TD (%)	ASTM D 882	170
Tear Resistance MD (grams)	ASTM D 1922	360
Tear Resistance TD (grams)	ASTM D 1922	250
Puncture Resistance (in-lbs.)	ASTM D 4649	140 g
Ultimate Prestretch (%)	Mfg. / Highlight	380
Cling (in to out, grams)	Mfg. method	180 g

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# V00627

## TUFFlex Premium Plus XC Hand Film

12 Micron / 47 Gauge / 0.47 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)	20"
Length (feet)	1000'
Net Weight / Roll (lbs. – nominal)	3.78 lbs.
Roll Diameter (O.D., inches)	2.88 inch
Core I.D.	1.12 inch

TESTS	METHODS	VALUES
Ultimate Tensile MD (PSI)	ASTM D 882	1340 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	1680 PSI
Elongation MD (%)	ASTM D 882	280
Elongation TD (%)	ASTM D 882	185
Tear Resistance MD (grams)	ASTM D 1922	370
Tear Resistance TD (grams)	ASTM D 1922	260
Puncture Resistance (in-lbs.)	ASTM D 4649	151 g
Ultimate Prestretch (%)	Mfg. / Highlight	384
Cling (in to out, grams)	Mfg. method	180 g

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# V00628

## TUFFlex Premium Plus XC Hand 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)	20"
Length (feet)	1000'
Net Weight / Roll (lbs. – nominal)	4.26 lbs.
Roll Diameter (O.D., inches)	2.94 inch
Core I.D.	1.12 inch

### TESTS

### METHODS

### VALUES

Ultimate Tensile MD (PSI)	ASTM D 882	1375 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	1710 PSI
Elongation MD (%)	ASTM D 882	280
Elongation TD (%)	ASTM D 882	185
Tear Resistance MD (grams)	ASTM D 1922	370
Tear Resistance TD (grams)	ASTM D 1922	260
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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