

V00620

TUFFlex Premium Color Hand Film Black

16.0 Micron / 63 Gauge / 0.63 Mil

Not intended as limiting specifications

CHARACTERISTICS

VALUES

Manufacturing Process	Tri-layered Blown
Thickness (nominal)	16 Micron / 63 Gauge / 0.63 Mil
Film Width (inches)	17.7"
Length (feet)	1476'
Net Weight / Roll (lbs. – nominal)	6.58 lbs.
Roll Diameter (O.D., inches)	5.5 inch
Core I.D.	4.83 inch

TESTS

METHODS

VALUES

Ultimate Tensile MD (PSI)	ASTM D 882	610 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	400 PSI
Elongation MD (%)	ASTM D 882	510
Elongation TD (%)	ASTM D 882	435
Tear Resistance MD (grams)	ASTM D 1922	340
Tear Resistance TD (grams)	ASTM D 1922	464
Puncture Resistance (in-lbs.)	ASTM D 4649	140 g
Ultimate Prestretch (%)	Mfg. / Highlight	380
Cling (in to out, grams)	Mfg. method	220 g

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V00621

TUFFlex Premium Color Hand Film Blue

16.0 Micron / 63 Gauge / 0.63 Mil

Not intended as limiting specifications

CHARACTERISTICS	VALUES
Manufacturing Process	Tri-layered Blown
Thickness (nominal)	16 Micron / 63 Gauge / 0.63 Mil
Film Width (inches)	17.7"
Length (feet)	1476'
Net Weight / Roll (lbs. – nominal)	6.58 lbs.
Roll Diameter (O.D., inches)	5.5 inch
Core I.D.	4.83 inch

TESTS	METHODS	VALUES
Ultimate Tensile MD (PSI)	ASTM D 882	610 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	400 PSI
Elongation MD (%)	ASTM D 882	510
Elongation TD (%)	ASTM D 882	435
Tear Resistance MD (grams)	ASTM D 1922	340
Tear Resistance TD (grams)	ASTM D 1922	464
Puncture Resistance (in-lbs.)	ASTM D 4649	140 g
Ultimate Prestretch (%)	Mfg. / Highlight	380
Cling (in to out, grams)	Mfg. method	220 g

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V00622

TUFFlex Premium Color Hand Film Green

16.0 Micron / 63 Gauge / 0.63 Mil

Not intended as limiting specifications

CHARACTERISTICS

VALUES

Manufacturing Process	Tri-layered Blown
Thickness (nominal)	16 Micron / 63 Gauge / 0.63 Mil
Film Width (inches)	17.7"
Length (feet)	1476'
Net Weight / Roll (lbs. – nominal)	6.58 lbs.
Roll Diameter (O.D., inches)	5.5 inch
Core I.D.	4.83 inch

TESTS

METHODS

VALUES

Ultimate Tensile MD (PSI)	ASTM D 882	610 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	400 PSI
Elongation MD (%)	ASTM D 882	510
Elongation TD (%)	ASTM D 882	435
Tear Resistance MD (grams)	ASTM D 1922	340
Tear Resistance TD (grams)	ASTM D 1922	464
Puncture Resistance (in-lbs.)	ASTM D 4649	140 g
Ultimate Prestretch (%)	Mfg. / Highlight	380
Cling (in to out, grams)	Mfg. method	220 g

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V00623

TUFFlex Premium Color Hand Film Red

16.0 Micron / 63 Gauge / 0.63 Mil

Not intended as limiting specifications

CHARACTERISTICS

VALUES

Manufacturing Process	Tri-layered Blown
Thickness (nominal)	16 Micron / 63 Gauge / 0.63 Mil
Film Width (inches)	17.7"
Length (feet)	1476'
Net Weight / Roll (lbs. – nominal)	6.58 lbs.
Roll Diameter (O.D., inches)	5.5 inch
Core I.D.	4.83 inch

TESTS

METHODS

VALUES

Ultimate Tensile MD (PSI)	ASTM D 882	610 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	400 PSI
Elongation MD (%)	ASTM D 882	510
Elongation TD (%)	ASTM D 882	435
Tear Resistance MD (grams)	ASTM D 1922	340
Tear Resistance TD (grams)	ASTM D 1922	464
Puncture Resistance (in-lbs.)	ASTM D 4649	140 g
Ultimate Prestretch (%)	Mfg. / Highlight	380
Cling (in to out, grams)	Mfg. method	220 g

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V00624

TUFFlex Premium Color Hand Film Yellow

16.0 Micron / 63 Gauge / 0.63 Mil

Not intended as limiting specifications

CHARACTERISTICS

VALUES

Manufacturing Process	Tri-layered Blown
Thickness (nominal)	16 Micron / 63 Gauge / 0.63 Mil
Film Width (inches)	17.7"
Length (feet)	1476'
Net Weight / Roll (lbs. – nominal)	6.58 lbs.
Roll Diameter (O.D., inches)	5.5 inch
Core I.D.	4.83 inch

TESTS

METHODS

VALUES

Ultimate Tensile MD (PSI)	ASTM D 882	610 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	400 PSI
Elongation MD (%)	ASTM D 882	510
Elongation TD (%)	ASTM D 882	435
Tear Resistance MD (grams)	ASTM D 1922	340
Tear Resistance TD (grams)	ASTM D 1922	464
Puncture Resistance (in-lbs.)	ASTM D 4649	140 g
Ultimate Prestretch (%)	Mfg. / Highlight	380
Cling (in to out, grams)	Mfg. method	220 g

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V00625

TUFFlex Premium Color Hand Film White

16.0 Micron / 63 Gauge / 0.63 Mil

Not intended as limiting specifications

CHARACTERISTICS

VALUES

Manufacturing Process	Tri-layered Blown
Thickness (nominal)	16 Micron / 63 Gauge / 0.63 Mil
Film Width (inches)	17.7"
Length (feet)	1476'
Net Weight / Roll (lbs. – nominal)	6.58 lbs.
Roll Diameter (O.D., inches)	5.5 inch
Core I.D.	4.83 inch

TESTS

METHODS

VALUES

Ultimate Tensile MD (PSI)	ASTM D 882	610 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	400 PSI
Elongation MD (%)	ASTM D 882	510
Elongation TD (%)	ASTM D 882	435
Tear Resistance MD (grams)	ASTM D 1922	340
Tear Resistance TD (grams)	ASTM D 1922	464
Puncture Resistance (in-lbs.)	ASTM D 4649	140 g
Ultimate Prestretch (%)	Mfg. / Highlight	380
Cling (in to out, grams)	Mfg. method	220 g

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V00641

TUFFlex Premium Color Machine Film Black

16.0 Micron / 63 Gauge / 0.63 Mil

80 Gauge Alternative

Not intended as limiting specifications

CHARACTERISTICS	VALUES
Manufacturing Process	Smart-layered Cast
Thickness (nominal)	16 Micron / 63 Gauge / 0.63 Mil
Film Width (inches)	20"
Length (feet)	5000'
Net Weight / Roll (lbs. – nominal)	25.2 lbs.
Roll Diameter (O.D., inches)	7.57 inch
Core I.D.	3.02 inch

TESTS	METHODS	VALUES
Ultimate Tensile MD (PSI)	ASTM D 882	3610 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	5400 PSI
Elongation MD (%)	ASTM D 882	410
Elongation TD (%)	ASTM D 882	435
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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V00642

TUFFlex Premium Color Machine Film Blue

16.0 Micron / 63 Gauge / 0.63 Mil

80 Gauge Alternative

Not intended as limiting specifications

CHARACTERISTICS	VALUES
Manufacturing Process	Smart-layered Cast
Thickness (nominal)	16 Micron / 63 Gauge / 0.63 Mil
Film Width (inches)	20"
Length (feet)	5000'
Net Weight / Roll (lbs. – nominal)	25.2 lbs.
Roll Diameter (O.D., inches)	7.57 inch
Core I.D.	3.02 inch

TESTS	METHODS	VALUES
Ultimate Tensile MD (PSI)	ASTM D 882	3610 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	5400 PSI
Elongation MD (%)	ASTM D 882	410
Elongation TD (%)	ASTM D 882	435
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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V00643

TUFFlex Premium Color Machine Film Green

16.0 Micron / 63 Gauge / 0.63 Mil

80 Gauge Alternative

Not intended as limiting specifications

CHARACTERISTICS	VALUES
Manufacturing Process	Smart-layered Cast
Thickness (nominal)	16 Micron / 63 Gauge / 0.63 Mil
Film Width (inches)	20"
Length (feet)	5000'
Net Weight / Roll (lbs. – nominal)	25.2 lbs.
Roll Diameter (O.D., inches)	7.57 inch
Core I.D.	3.02 inch

TESTS	METHODS	VALUES
Ultimate Tensile MD (PSI)	ASTM D 882	3610 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	5400 PSI
Elongation MD (%)	ASTM D 882	410
Elongation TD (%)	ASTM D 882	435
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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V00644

TUFFlex Premium Color Machine Film Red

16.0 Micron / 63 Gauge / 0.63 Mil

80 Gauge Alternative

Not intended as limiting specifications

CHARACTERISTICS	VALUES
Manufacturing Process	Smart-layered Cast
Thickness (nominal)	16 Micron / 63 Gauge / 0.63 Mil
Film Width (inches)	20"
Length (feet)	5000'
Net Weight / Roll (lbs. – nominal)	25.2 lbs.
Roll Diameter (O.D., inches)	7.57 inch
Core I.D.	3.02 inch

TESTS	METHODS	VALUES
Ultimate Tensile MD (PSI)	ASTM D 882	3610 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	5400 PSI
Elongation MD (%)	ASTM D 882	410
Elongation TD (%)	ASTM D 882	435
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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V00645

TUFFlex Premium Color Machine Film Yellow

16.0 Micron / 63 Gauge / 0.63 Mil

80 Gauge Alternative

Not intended as limiting specifications

CHARACTERISTICS	VALUES
Manufacturing Process	Smart-layered Cast
Thickness (nominal)	16 Micron / 63 Gauge / 0.63 Mil
Film Width (inches)	20"
Length (feet)	5000'
Net Weight / Roll (lbs. – nominal)	25.2 lbs.
Roll Diameter (O.D., inches)	7.57 inch
Core I.D.	3.02 inch

TESTS	METHODS	VALUES
Ultimate Tensile MD (PSI)	ASTM D 882	3610 PSI
Ultimate Tensile TD (PSI)	ASTM D 882	5400 PSI
Elongation MD (%)	ASTM D 882	410
Elongation TD (%)	ASTM D 882	435
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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V00646

TUFFlex Premium Color Machine Film White

16.0 Micron / 63 Gauge / 0.63 Mil

80 Gauge Alternative

Not intended as limiting specifications

CHARACTERISTICS	VALUES
Manufacturing Process	Smart-layered Cast
Thickness (nominal)	16 Micron / 63 Gauge / 0.63 Mil
Film Width (inches)	20"
Length (feet)	5000'
Net Weight / Roll (lbs. – nominal)	25.2 lbs.
Roll Diameter (O.D., inches)	7.57 inch
Core I.D.	3.02 inch

TESTS	METHODS	VALUES
Ultimate Tensile MD (PSI)	ASTM D 882	3610 PSI
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Elongation MD (%)	ASTM D 882	410
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Tear Resistance MD (grams)	ASTM D 1922	360
Tear Resistance TD (grams)	ASTM D 1922	250
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