

# V00211

## TUFFlex Ultra Handwrap

9 Micron / 35 Gauge / 0.35 Mil

*Not intended as limiting specifications*

### CHARACTERISTICS

### VALUES

Manufacturing Process	Cast
Thickness (nominal)	9 Micron / 35 Gauge / 0.35 Mil
Color	Clear
Film Width (inches)	14"
Length (feet)	2000'
Net Weight / Roll (lbs. – nominal)	3.92 lb
Roll Diameter (O.D., inches)	6"
Core I.D.	3"

### TESTS

### METHODS

### VALUES

Haze	ASTM D1003	2 %
Gloss	ASTM D2457	80%
Tensile Strength at Break (MD)	ASTM D882	9000 psi
Tensile Strength at Break (TD)	ASTM D882	3500 psi
Elongation at Break (MD)	ASTM D882	135%
Elongation at Break (TD)	ASTM D882	725%
Elmendorf Tear Strength (MD)	ASTM D1922	120 g
Elmendorf Tear Strength (TD)	ASTM D1922	140 g
Cling	ASTM D5458	75 g

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# V00212

## TUFFlex Ultra Handwrap

9 Micron / 35 Gauge / 0.35 Mil

*Not intended as limiting specifications*

### CHARACTERISTICS

### VALUES

Manufacturing Process	Cast
Thickness (nominal)	9 Micron / 35 Gauge / 0.35 Mil
Color	Clear
Film Width (inches)	16"
Length (feet)	1500'
Net Weight / Roll (lbs. – nominal)	3.36 lb
Roll Diameter (O.D., inches)	6"
Core I.D.	3"

### TESTS

### METHODS

### VALUES

Haze	ASTM D1003	2 %
Gloss	ASTM D2457	80%
Tensile Strength at Break (MD)	ASTM D882	9000 psi
Tensile Strength at Break (TD)	ASTM D882	3500 psi
Elongation at Break (MD)	ASTM D882	135%
Elongation at Break (TD)	ASTM D882	725%
Elmendorf Tear Strength (MD)	ASTM D1922	120 g
Elmendorf Tear Strength (TD)	ASTM D1922	140 g
Cling	ASTM D5458	75 g

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# V00213

## TUFFlex Ultra Handwrap

9 Micron / 35 Gauge / 0.35 Mil

*Not intended as limiting specifications*

### CHARACTERISTICS

### VALUES

Manufacturing Process	Cast
Thickness (nominal)	9 Micron / 35 Gauge / 0.35 Mil
Color	Clear
Film Width (inches)	18"
Length (feet)	1500'
Net Weight / Roll (lbs. – nominal)	3.78 lb
Roll Diameter (O.D., inches)	6"
Core I.D.	3"

### TESTS

### METHODS

### VALUES

Haze	ASTM D1003	2 %
Gloss	ASTM D2457	80%
Tensile Strength at Break (MD)	ASTM D882	9000 psi
Tensile Strength at Break (TD)	ASTM D882	3500 psi
Elongation at Break (MD)	ASTM D882	135%
Elongation at Break (TD)	ASTM D882	725%
Elmendorf Tear Strength (MD)	ASTM D1922	120 g
Elmendorf Tear Strength (TD)	ASTM D1922	140 g
Cling	ASTM D5458	75 g

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