



Mid South Extrusion

Innovative Flexible Films™

# Technical Specifications Guide

[msefilms.com](http://msefilms.com)

## Production Capabilities

---

### SWS (Single Wound Sheeting)

- Widths (4" – 128")
- Thickness (.00035" - .020")
- Available in mono-layer and co-extruded (up to 5 layers)
- Roll Outside Diameter: minimum 8" // maximum 46"

### BOR (Bag on Roll-Gusseted, Side-Seal, Standard-Seal)

- Gusseted Widths (min lay-flat = 40" // max lay-flat = 76")
- Gusseted Thickness (min = .001" // max = .006")
- Side Seal Widths (min lay-flat = 20" // max lay-flat = 120")
- Side Seal Thickness (min = .001" // max = .010")
- Standard Seal Width (min lay-flat = 40" // max lay-flat = 76")
- Standard Seal Thickness (min = .001" // max = .010")

### Tubing (Lay-flat ; Gusseted ; Center-Slit)

- Widths (min = 38" // max = 128")
- Thickness (min = .0005" // max = .010")
- Roll OD (min = 8" // max = 46")

## Roll Configurations



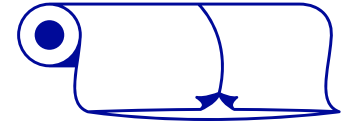
Tubing



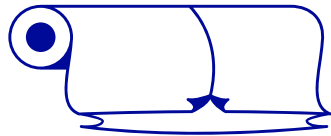
Double Wound Sheet



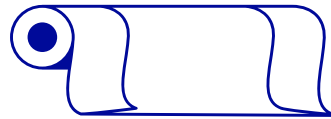
Single Wound Sheet



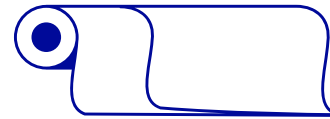
Center Slit Tubing



Gusseted Center Slit Tubing



U-Fold



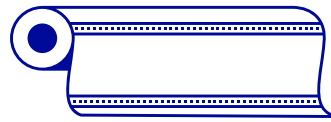
J-Fold



Center Fold



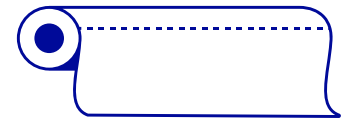
Standard Bag



Side Seal Bag



Gusseted Bag



Serrated Single Wound Sheet

### A-Wind

Open on the left when pulling film from the bottom of the roll



### B-Wind

Open on the right when pulling film from the bottom of the roll

## Film Structures

---

Linear Low-density polyethylene (LLDPE) - (various grades)

Low-Density polyethylene (LDPE) - (various grades)

High-density polyethylene (HDPE) - (various grades)

mLLDPE - (various grades)

Polypropylene (PP)

Specialty copolymers available – Call MSE Rep for more details

- EVA
- EBA
- EAA
- MAH
- EMA

\*\*\*Custom Resins available pending application and volume\*\*\*

## Available Additives

---

Any Pantone Color (turn in a representative sample or PMS #)

Slip (added to decrease Co-efficient of Friction)

Anti-block (elimination of roll blocking between layers)

Anti-static (elimination of static build-up with-in the roll)

Flame Retardant (meet government regulations for flame spread & smoke elimination)

VCI (corrosion inhibitors-packaging for metals...aka rust inhibitors)

UVI (Ultra Violet Inhibitors – protects film integrity against environmental conditions)

Bio-degradable (Eco-friendly films)

## Film Accesories

---

### Vents (Butterfly, Clean-cut, Linear & Pinhole Perforated)

- Butterfly Size (1/4" & 3/8" diameter)
- Butterfly Gauge (minimum of .001" – maximum of .010")
- Clean-cut Size (1/4" & 3/8" diameter)
- Clean-cut Gauge (minimum of .001" – maximum of .010")
- Linear Size (1/2" length – repeat is approximately 10")
- Linear Gauge (minimum of .001" – maximum of .010")
- Pinhole Perforated pattern
- Pinhole Perforated Gauge (minimum of .0005" – maximum of .010")

## Quality Capabilities

---

### In-house Quality Capabilities

- Dart Impact: ASTM D 1709 A and B
- Tensile Yield: ASTM D 882
- Ultimate Tensile: ASTM D 882
- Modulus: ASTM D 882
- Elmendorf Tear: ASTM D 1922
- Average Gauge: ASTM D 6988
- Static Coefficient of Friction: ASTM D 1894
- Kinetic Coefficient of Friction: ASTM D 1894
- Certificate of Analysis on any or all of the above physical properties are available upon request

### Outsourced Quality Capabilities

- Color match
- DSC (composition of film structures)
- FTIR (composition of film structures)
- Accelerated weathering
- Additive/Mineral loadings