



StretchFLEX-I
 12.7 micron - 50 gauge - 0.50 mil
 Product Data Sheet
 NOT INTENDED AS LIMITING SPECIFICATIONS

Characteristics	Values
Manufacturing Process	5-Layer Cast Film
Thickness (nominal)	12.7 micron / 0.50 mil / 50 gauge
Film Width (inches)	20" & 30" (nominal)
Length (feet)	9000' (nominal)
Net Weight / Roll (lbs. - nominal)	20" = 36.0 lbs. (nominal) 30" = 55.0 lbs. (nominal)
Roll Diameter (O.D., inches)	9000' = 9.26" (nominal)
Core I.D. (inches)	3.0" (nominal)
Core Length (inches)	20" = 20.75" (nominal) 30" = 30.75" (nominal)
Core Wall Thickness (inches)	0.300" (nominal)

Tests	Methods	Values
Ultimate Tensile MD (psi)	ASTM D 882	6300 psi
Ultimate Tensile TD (psi)	ASTM D 882	3500 psi
Elongation MD (%)	ASTM D 882	420%
Elongation TD (%)	ASTM D 882	630%
Tear Resistance MD (grams)	ASTM D 1922	215 g (315 g/mil)
Tear Resistance TD (grams)	ASTM D 1922	425 g (642 g/mil)
Dart Drop	ASTM D 1709	138 g (185 g/mil)
Prestretch	IPG / Highlight	215% (Breaking point)
Cling (in to out, grams)	IPG method	140 g @ 250% prestretch

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Intertape Polymer Group - Sarasota, FL - Customer Service Telephone 800-567-8273



StretchFLEX-I
 15.2 micron - 60 gauge - 0.60 mil
 Product Data Sheet
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Characteristics	Values
Manufacturing Process	5-Layer Cast Film
Thickness (nominal)	15.2 micron / 0.60 mil / 60 gauge
Film Width (inches)	20" & 30" (nominal)
Length (feet)	7500 (nominal)
Net Weight / Roll (lbs. - nominal)	20" = 36.0 lbs. (nominal) 30" = 54.0 lbs. (nominal)
Roll Diameter (O.D., inches)	7500' = 9.2" (nominal)
Core I.D. (inches)	3.0" (nominal)
Core Length (inches)	20" = 20.75" (nominal) 30" = 30.75" (nominal)
Core Wall Thickness (inches)	0.300" (nominal)

Tests	Methods	Values
Ultimate Tensile MD (psi)	ASTM D 882	6500 psi
Ultimate Tensile TD (psi)	ASTM D 882	3700 psi
Elongation MD (%)	ASTM D 882	460%
Elongation TD (%)	ASTM D 882	675%
Tear Resistance MD (grams)	ASTM D 1922	225 g (328 g/mil)
Tear Resistance TD (grams)	ASTM D 1922	455 g (669 g/mil)
Dart Drop	ASTM D 1709	132 g (188 g/mil)
Prestretch	IPG / Highlight	225% (Breaking point)
Cling (in to out, grams)	IPG method	135 g @ 275% prestretch

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StretchFLEX-I
 16.5 micron - 65 gauge - 0.65 mil
 Product Data Sheet
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Characteristics	Values
Manufacturing Process	5-Layer Cast Film
Thickness (nominal)	16.5 micron / 0.65 mil / 65 gauge
Film Width (inches)	20" & 30" (nominal)
Length (feet)	7500 (nominal)
Net Weight / Roll (lbs. - nominal)	20" = 39.0 lbs. (nominal) 30" = 58.5 lbs. (nominal)
Roll Diameter (O.D., inches)	7500' = 9.58" (nominal)
Core I.D. (inches)	3.0" (nominal)
Core Length (inches)	20" = 20.75" (nominal) 30" = 30.75" (nominal)
Core Wall Thickness (inches)	0.300" (nominal)

Tests	Methods	Values
Ultimate Tensile MD (psi)	ASTM D 882	6600 psi
Ultimate Tensile TD (psi)	ASTM D 882	3800 psi
Elongation MD (%)	ASTM D 882	470%
Elongation TD (%)	ASTM D 882	680%
Tear Resistance MD (grams)	ASTM D 1922	230 g (325 g/mil)
Tear Resistance TD (grams)	ASTM D 1922	460 g (672 g/mil)
Dart Drop	ASTM D 1709	138 g (202 g/mil)
Prestretch	IPG / Highlight	230% (Breaking point)
Cling (in to out, grams)	IPG method	140 g @ 250% prestretch

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StretchFLEX-I
 17.8 micron - 70 gauge - 0.70 mil
 Product Data Sheet
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Characteristics	Values
Manufacturing Process	5-Layer Cast Film
Thickness (nominal)	17.8 micron / 0.70 mil / 70 gauge
Film Width (inches)	20" & 30" (nominal)
Length (feet)	6000' (nominal)
Net Weight / Roll (lbs. - nominal)	20" = 33.6 lbs. (nominal) 30" = 50.4 lbs. (nominal)
Roll Diameter (O.D., inches)	6000' = 9.0" (nominal)
Core I.D. (inches)	3.0" (nominal)
Core Length (inches)	20" = 20.75" (nominal) 30" = 30.75" (nominal)
Core Wall Thickness (inches)	0.300" (nominal)

Tests	Methods	Values
Ultimate Tensile MD (psi)	ASTM D 882	6600 psi
Ultimate Tensile TD (psi)	ASTM D 882	4000 psi
Elongation MD (%)	ASTM D 882	475%
Elongation TD (%)	ASTM D 882	700%
Tear Resistance MD (grams)	ASTM D 1922	230 g (328 g/mil)
Tear Resistance TD (grams)	ASTM D 1922	468 g (669 g/mil)
Dart Drop	ASTM D 1709	132 g (188 g/mil)
Prestretch	IPG / Highlight	250% (Breaking point)
Cling (in to out, grams)	IPG method	135 g @ 275% prestretch

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StretchFLEX I
 19.0 micron - 75 gauge - 0.75 mil
 Product Data Sheet
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Characteristics	Values
Manufacturing Process	5-Layer Cast Film
Thickness (nominal)	19.0 micron / 0.75 mil / 75 gauge
Film Width (inches)	20" & 30" (nominal)
Length (feet)	6000' (nominal)
Net Weight / Roll (lbs. - nominal)	20" - 6000' = 36.0 lbs. 30" - 6000' = 54.0 lbs.
Roll Diameter (O.D., inches)	6000' = 9.26" (nominal)
Core I.D.	3.0" (nominal)

Tests	Methods	Values
Ultimate Tensile MD (psi)	ASTM D 882	6600 psi
Ultimate Tensile TD (psi)	ASTM D 882	4250 psi
Elongation MD (%)	ASTM D 882	525 %
Elongation TD (%)	ASTM D 882	775 %
Tear Resistance MD (grams)	ASTM D 1922	244 g (325 g/mil)
Tear Resistance TD (grams)	ASTM D1922	496 g (661 g/mil)
Dart Drop – (Impact Resistance - grams)	ASTM D 1709	141 g (188 g/mil)
Prestretch (%)	IPG / Highlight	250 % (nominal breaking point)
Cling (in to out, grams)	IPG method	150 g (nominal @ 275% prestretch)

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StretchFLEX I
 20.3 micron - 80 gauge - 0.80 mil
 Product Data Sheet
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Characteristics	Values
Manufacturing Process	5-Layer Cast Film
Thickness (nominal)	20.3 micron / 0.80 mil / 80 gauge
Film Width (inches)	20" & 30" (nominal)
Length (feet)	5000' & 6000' (nominal)
Net Weight / Roll (lbs. - nominal)	20" - 5000' = 32.0 lb 6000' = 38.4 lb 30" - 5000' = 48.0 lb 6000' = 57.6 lb
Roll Diameter (O.D., inches)	5000' = 9.02" (nominal) 6000' = 9.5" (nominal)
Core I.D.	3.0" (nominal)

Tests	Methods	Values
Ultimate Tensile MD (psi)	ASTM D 882	7000 psi
Ultimate Tensile TD (psi)	ASTM D 882	4250 psi
Elongation MD (%)	ASTM D 882	550 %
Elongation TD (%)	ASTM D 882	800 %
Tear Resistance MD (grams)	ASTM D 1922	262 g (328 g/mil)
Tear Resistance TD (grams)	ASTM D1922	535 g (669 g/mil)
Dart Drop – (Impact Resistance - grams)	ASTM D 1709	150 g (188 g/mil)
Prestretch (%)	IPG / Highlight	280 % (nominal breaking point)
Cling (in to out, grams)	IPG method	150 g (nominal @ 275% prestretch)

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StretchFLEX I
 22.9 micron - 90 gauge - 0.90 mil
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Characteristics	Values
Manufacturing Process	5-Layer Cast Film
Thickness (nominal)	22.9 micron / 0.90 mil / 90 gauge
Film Width (inches)	20" & 30" (nominal)
Length (feet)	5000' (nominal)
Net Weight / Roll (lbs. - nominal)	20" - 5000' = 36.0 lbs. 30" - 5000' = 54.0 lbs.
Roll Diameter (O.D., inches)	5000' = 9.26" (nominal)
Core I.D.	3.0" (nominal)

Tests	Methods	Values
Ultimate Tensile MD (psi)	ASTM D 882	7000 psi
Ultimate Tensile TD (psi)	ASTM D 882	4350 psi
Elongation MD (%)	ASTM D 882	600 %
Elongation TD (%)	ASTM D 882	850 %
Tear Resistance MD (grams)	ASTM D 1922	279 g (310 g/mil)
Tear Resistance TD (grams)	ASTM D1922	661 g (734 g/mil)
Dart Drop – (Impact Resistance - grams)	ASTM D 1709	210 g (233 g/mil)
Prestretch (%)	IPG / Highlight	290 % (nominal breaking point)
Cling (in to out, grams)	IPG method	175 g (nominal @ 275% prestretch)

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StretchFLEX I
 27.9 micron - 110 gauge – 1.10 mil
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Characteristics	Values
Manufacturing Process	5-Layer Cast Film
Thickness (nominal)	27.9 micron / 1.10 mil / 110 gauge
Film Width (inches)	20" & 30" (nominal)
Length (feet)	4250 (nominal)
Net Weight / Roll (lbs. - nominal)	20" - 4250' = 37.4 lbs. 30" - 4250' = 56.1 lbs.
Roll Diameter (O.D., inches)	4250' = 9.43" (nominal)
Core I.D.	3.0" (nominal)

Tests	Methods	Values
Ultimate Tensile MD (psi)	ASTM D 882	7300 psi
Ultimate Tensile TD (psi)	ASTM D 882	4600 psi
Elongation MD (%)	ASTM D 882	706 %
Elongation TD (%)	ASTM D 882	950 %
Tear Resistance MD (grams)	ASTM D 1922	212 g (310 g/mil)
Tear Resistance TD (grams)	ASTM D1922	686 g (725 g/mil)
Dart Drop – (Impact Resistance - grams)	ASTM D 1709	210 g (233 g/mil)
Prestretch (%)	IPG / Highlight	320 % (nominal breaking point)
Cling (in to out, grams)	IPG method	225 g (nominal @ 275% prestretch)

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StretchFLEX I
 36.8 micron - 145 gauge - 1.45 mil
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Characteristics	Values
Manufacturing Process	5-Layer Cast Film
Thickness (nominal)	36.8 micron / 1.45 mil / 145 gauge
Film Width (inches)	20" (nominal)
Length (feet)	3000' (nominal)
Net Weight / Roll (lbs. - nominal)	20" - 3000' = 34.8 lbs.
Roll Diameter (O.D., inches)	3000' = 9.13" (nominal)
Core I.D.	3.0" (nominal)

Tests	Methods	Values
Ultimate Tensile MD (psi)	ASTM D 882	6000 psi
Ultimate Tensile TD (psi)	ASTM D 882	4500 psi
Elongation MD (%)	ASTM D 882	700 %
Elongation TD (%)	ASTM D 882	900 %
Tear Resistance MD (grams)	ASTM D 1922	450g (310g/mil)
Tear Resistance TD (grams)	ASTM D1922	700g (483g/mil)
Dart Drop – (Impact Resistance - grams)	ASTM D 1709	150g (103g/mil)
Prestretch (%)	IPG / Highlight	290% (nominal breaking point)
Cling (in to out, grams)	IPG method	200g (nominal @ 275% prestretch)

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