

Material Specifications: Non-Flame Retardant “Pro-Wrap” & Boat Shrink Film



Description:

Pro-Tect’s 7, 8, 9, & 10.5 mil Non F/R Pro-Wrap Shrink Film is a modern thermo plastic film formulated with both linear and low density heat sensitive resins. When heated, the Pro-Wrap can shrink up to 25% to 30% of its surface dimension. Our shrink film is manufactured to our specifications from virgin resins and fractional melt low density polyethylene resulting in uniform bi-axial shrinking and super strength. The UVI in our shrink wrap is a hindered amine to protect against film deterioration by the sun. Hindered amine protects the film by remaining within the molecular structure of the film. In addition to the fractional melt and linear low density polyethylene, our specially formulated films contain Ethyl Vinyl Acetate (EVA). Shrink film containing EVA retains more elasticity and does not become brittle when exposed to cold temperatures. Puncture resistance is greater; burn holes do not propagate and will not split easily in the machine direction when whipped by the wind. Our 7mil Boat/ Packaging Film contains 1 year UVI. Our Pro-Wrap Films include a 3 month UVI.

Applications:

Pro-Tect Plastics Non F/R Pro-Wrap Thermo Plastic Shrink Film is used in construction containment, painting, special coatings, weatherization, packaging, transport and more. Pro-Tect’s specially formulated film contains UVI for Ultra-Violet Resistance and EVA. We carry a variety of roll sizes and mil thickness. Contact us today for any questions regarding material and/ or application.

7 mil Heat Shrink Boat Film Specifications 0.007”

Film Properties		ASTM	UNITS	NOMINAL VALUE
Tear Strength	MD	D-1922	Grams	500
	TD		Grams	900
Tensile Strength	MD	D-882	PSI	3,100
	TD		PSI	3,400
Elongation	MD	D-882	Percentage %	550
	TD		Percentage %	650
Secant Modulus	MD	D-882	PSI	24,200
	TD		PSI	27,400
Dart Impact (100%)	Pass	D-1709	Grams	900
Puncture Resistance		AEP Test	LBS	26

7 mil Boat/ Packaging Heat Shrink Film contains a 1 year UVI for Ultra-Violet Resistance

8 mil "Pro-Wrap" Shrink Film Material Specifications 0.008"

Film Properties		ASTM	UNITS	NOMINAL VALUE
Tear Strength	MD	D-1922	Grams	740
	TD		Grams	1,190
Tensile Strength	MD	D-882	PSI	2,800
	TD		PSI	2,800
Elongation	MD	D-882	Percentage %	600
	TD		Percentage %	600
Shrinkage	MD	D-2732	Percentage %	40-60
	TD		Percentage %	10-30
Dart Impact (100%)		D-1709	Grams	700
Puncture Resistance		Internal	LBS	33

8 mil Pro-Wrap Non-F/R Heat Shrink Film contains 3 month UVI for Ultra-Violet Resistance

9 mil "Pro-Wrap" Shrink Film Material Specifications 0.009"

Film Properties		ASTM	UNITS	NOMINAL VALUE
Tear Strength	MD	D-1922	Grams	1,000
	TD		Grams	1,600
Tensile Strength	MD	D-882	PSI	3,000
	TD		PSI	3,000
Secant Modulus	MD	D-882	PSI	24,200
	TD		PSI	27,400
Elongation	MD	D-882	Percentage %	700
	TD		Percentage %	800
Dart Impact (100%)		D-1709	Grams	1100
Puncture Resistance		AEP Test	LBS	40

9 mil Pro-Wrap Non-F/R Heat Shrink Film contains 3 month UVI for Ultra-Violet Resistance

10.5 mil "Pro-Wrap" Shrink Film Material Specifications 0.0105"

Film Properties		ASTM	UNITS	NOMINAL VALUE
Tear Strength	MD	D-1922	Grams	900
	TD		Grams	1,500
Tensile Strength	MD	D-882	PSI	2,400
	TD		PSI	2,500
Elongation	MD	D-882	Percentage %	500

	TD		Percentage %	600
Shrinkage	MD	D-2732	Percentage %	50-80
	TD		Percentage %	0-20
Dart Impact (100%)		D-1709	Grams	1,250
Puncture Resistance		Internal	LBS	39
Slip Level/ COF		D-1894	g/200g	High Slip,COF<.150

9 mil Pro-Wrap Non-F/R Heat Shrink Film contains 3 month UVI for Ultra-Violet Resistance

**Note: The data presented above are nominal values for the product type described based on actual tests performed on random samples & is being provided for info only. Please be advised that there is no guarantee- Expressed or implied, regarding the use of this information or its suitability for a particular application.