

Material specification



Shrink wrap film used for producing HEAT³ EasyPack™ shrink wrap bags is formulated from premium grade polyethylene, UV inhibitors, and other additives which are designed to resist degradation due to sunlight, rain, chemicals, and heat. It is suited for heavy-duty applications where excellent two directional shrink properties and toughness is required.

Depending on offered HEAT³ EasyPack™ bag thickness:

Test Description	Standard	Units	Nominal * value			
Thickness	ASTM D1593	Mil (µm)	6 (152)	7 (178)	10 (254)	12 (305)
Weatherability	ASTM G53	Hours	1000+	1000+	1000+	1000+
Shrink Temperature	ASTM D2732	Deg F / C	275 / 135	275 / 135	275 / 135	275 / 135
Tensile Properties						
Yield (md)	ASTM D882 /ISO527-3	psi	1450	1450	1450	1450
(cd)		psi	1300	1300	1300	1300
Break (md)	ASTM D882 /ISO527-3	psi	3000	3000	3000	3000
(cd)		psi	3000	3000	3000	3000
Elongation (md)	ASTM D882 /ISO527-3	%	650	675	750	775
(cd)		%	750	775	850	850
Elmendorf Tear (md)	ASTM D1922 /ISO6383-2	grams	750	900	1700	1900
(cd)		grams	1400	1600	2400	2600
Dart Impact	ASTM D1709 /ISO7765-1	grams	750	825	1000	1050
Puncture resistance	ASTM D5748	N	157	167	189	237
Moisture Vapor						
Moisture Vapor Transmission Rate	ASTM E96 /ISO2528	g/100sq.in-day	0,23	0,2	0,14	
		perms	0,13	0,11	0,076	
		metric perms	0,84	0,07	0,05	

*Nominal values are not to be considered minimum specification for acceptance of product