

DOW™ Medical Packaging Films 2000

Medical Packaging Film

The Dow Chemical Company

Message:

DOW™ Medical packaging film (MPF) 2000 is a soft, thermoformable, multi-layer co-extruded film, which is applied to the processing of medical disposable packaging materials together with coated cover materials. The structure of this film includes a layer of DOWLEX with toughness and tear resistance.™ Linear low density polyethylene (LLDPE) layer and a PRIMACOR that facilitates molding and stable peelable sealing performance with coated cover material™ Thin layer of ethylene acrylic acid (EAA) copolymer.

General features:

High toughness and tear resistance

can be thermoformed on many kinds of TFFS

ethylene oxide steam sterilization (EtO), gamma wire or electron beam (E-beam) sterilization

can be cleaned and peeled, no residue

good transparency

does not change color during sterilization or aging

puncture resistant, wear resistant

width: 10-60 in (254-1524mm)

Film thickness: 4-10 mils (100-250 µm)

material roll: 3-or 6-in ID; All the way to 19-in OD (76- or 152mm ID, all the way to 483mm OD)

Film yield: 29.8 MSI/lb/mil (42.4 m²/Kg/25 µm)

General Information			
Forms	Films		
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	150	µm	
Film Thickness - Recommended / Available	4.0-10.0 mil (100-250 µ)		
secant modulus			ASTM D882
2% secant, MD: 150 µm	145	MPa	ASTM D882
2% secant, TD: 150 µm	165	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Break, 150 µm	20.7	MPa	ASTM D882
TD: Break, 150 µm	18.6	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 150 µm	700	%	ASTM D882
TD: Break, 150 µm	780	%	ASTM D882
Elmendorf Tear Strength			ASTM D1922
MD : 150 µm	1500	g	ASTM D1922
TD : 150 µm	1900	g	ASTM D1922
Yield (25.0 µm)	42.4	m²/kg	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 152 µm)	60		ASTM D2457
Haze (152 µm)	25	%	ASTM D1003
Extrusion instructions			

机器类型和设置不同,加工参数也将存在差异,这些参数只作为初步指导.

最佳成型温度:244-253°F (118-123°C)

典型加热时间:1.0-2.5 秒

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密封温度:248-257°F (120-125°C)

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