

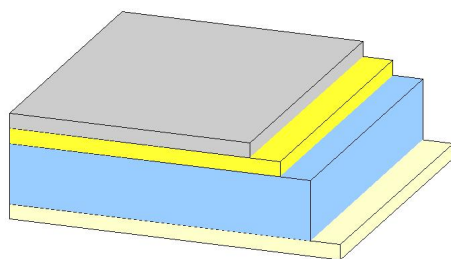


Polyfilm Polyplex Polyester Films

Type: MHS140 (heat sealable metallised) 20my

Polyfilm MHS140 is a coextruded one side metallised, other side heat sealable polyester film suitable for use in flexible packaging. The metallized side shows enhanced metal adhesion. The heatsealable surface is designed to seal to itself, thermoformed APET, CPET, unsaturated polyesters and paper. The heat sealable surface does not seal against polyolefins (PE, PP) and PS. MHS140 is not peelable. Typical applications would include mosquito repellents and other packaging applications.

Composition



- metal deposit
- chemical coating
- core
- heat seal surface

Treatment

MHS140, Al metallised, other side heat sealable

Typical Properties

Property	Units	Nominal	Method	Conditions
Mechanical Properties				
Nominal thickness	μ	20	Polyplex Method	
Yield	m^2/kg	35.8	Polyplex Method	
Elongation at break	MD %	140	ASTM D-882	
	TD %	130		
Tensile strength	MD kg/cm^2	1800	ASTM D-882	
	TD kg/cm^2	1900		

Property	Units	Nominal	Method	Conditions
Thermal Properties				
Heat shrinkage	MD	%	1.6	ASTM D-1204 150 Deg. C/30 minutes
	TD	%	0.2	
Sealing Temperature Range	°C	130-200	Polyplex Method	
Seal Strength (HS-HS)	Gm/25mm	300-400	Polyplex Method	140 Deg, 2 sec, 3.0kg/cm ²
Surface Properties				
Co-efficient of friction static (metal to film)		0.85	ASTM D-1894	
Co-efficient of friction dynamic (metal to film)		0.75	ASTM D-1894	
Metal to film	gm/25mm	400	Polyplex Method	
Surface tension (plain and metallised side)	dyne/cm	54	ASTM D-2578	
Optical Properties				
Optical Density	Gretag Macbeth (iCFilm)	2.2	Polyplex Method	
Barrier Properties				
WVTR	gm/m ² /day	1.0	ASTM F-1249	37.7°C, 90%RH
OTR	cm ³ /m ² /day	1.2	ASTM D-3985-95	23°C, 0%RH

Disclaimer

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