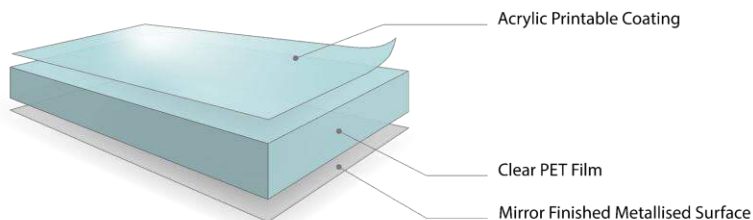


Product Description:

MEX176 is a single-side metallised polyester film with a mirror finish on one side and an adhesion promoting layer on the other.

Key Features:

- Highly reflective mirror finish
- Excellent printability on non-metallised side using a wide range of inks
- Excellent thermal and dimensional stability



Storage

Recommended storage conditions: 10°C – 25°C; 20% – 50% RH
Shelf Life: 12 months from delivery date (under recommended storage conditions)

TYPICAL VALUES		MD = Machine Direction, TD = Transverse Direction			
Property	Test method	Unit	Direction	Typical values	
Film thickness	-	micron		12	23
Film yield	-	m ² /Kg		59.5	31.1
Unit weight	-	g/m ²		17	32
Optical density	Tobias densitometer	-		2.0 to 2.5	
Reflectivity of metallised side	Dr Lange Glossometer [85° position	-		119	
Total light transmittance (max)	ASTM D1003-77 (Gardner hazemeter)	%		0.15	
Oxygen transmission rate	m ² /day at 23°C and 50% RH	cc		0.5	
Moisture vapour transmission rate	m ² /day at 38°C and 90% RH	g		0.7	
Tensile strength at break (minimum)	ASTM D882-83 (23°C, 50% RH, strain rate 50% min)	Kgf/mm2	MD	21	
			TD	25	
Elongation at break	ASTM D882-83 (23°C, 50% RH, strain rate 50% min)	%	MD	125	
			TD	80	
Upper melt temperature	ASTM E794-85	°C		255 to 260	
Metal adhesion	Tape test (Sellotape type 1109)	%		> 95	
Coefficient of thermal expansion (between 20 and 50°C)	-	cm/cm/°C	MD	19 x 10 ⁻⁶	
			TD	16 x 10 ⁻⁶	
Coefficient of thermal expansion (between 20 and 50°C)	5 mins at 190°C	%	MD	3	
			TD	2	



HiFi Polyester Film Is Your Trusted Expert In Polyester Film Solutions

- Expert advice.
- Premium PET films.
- Europe's leading converter & distributor.



Wide range of PET Films



Custom Converting
Reels & Sheets



Short Lead Times

Specialist Facility for Advanced Polyester Film Conversion and Heat Stabilisation



✓ Polyester film slitting



✓ Clean room conversion



✓ Polyester film wholesale



✓ Polyester film sheeting



✓ Thermal polyester stabilisation



✓ Custom converting

Expert Technical Support to Help You Find the Right Polyester (PET) Film Solution

Our in-house specialists provide guidance on material selection, ensuring you get the best polyester film for your specific application and performance requirements.

Contact us for expert help



HiFi Polyester Film UK

UK & Rest of World

Stevenage, United Kingdom
+44 (0) 1438 314 354
sales@hififilm.com



HiFi Polyester Film Netherland

Northern Europe

Zwaag Netherlands
+31 (0) 229 272 282
nlsales@hififilm.com



HiFi Polyester Film France

Southern Europe

BRUSSIEU, France
+33 (0) 437 226 098
lyonsales@hififilm.com



HiFi Polyester Film Ireland

Ireland

Ranelagh, Dublin
+353 (0) 87 257 3698
ray.faughnan@hififilm.com



www.hifipolyesterfilm.com

