



Scotchpak™ Translucent High Barrier Films

Product Information

High Barrier Heat-Sealable Polyester Films

HB200M

HB200UV

HB360M

Product Description and Features

3M Scotchpak translucent high barrier films are polyester (PET) base films with a heat-sealable polyolefin layer. These films contain a ceramic oxide coating (AlOx) which provides a strong barrier to moisture and oxygen. UV blocking without the use of metal foils is a characteristic in this film family. 3M high barrier films are adhesive-free, translucent films that provide high-strength seals to a variety of surfaces.

Potential Applications

These films can be used for moisture and oxygen sensitive products that require high barrier packaging and also product visibility. Applications include medical, pharmaceutical and food. These films are printable and may be used in laminations with other films, as peelable lidding films or as product pouches.

Physical Properties

Typical Values

Property	Units	Test	HB200M	HB200UV	HB360M
Thickness	mils	TM 212	2.0	2.0	3.6
Heat-Seal Strength	lb/in	TM 219	11	1.1	15.8
Break Strength					
MD	lb/in	TM 209	15	15	15
CD	lb/in	TM 209	13	13	13
Elongation					
MD	%	TM 209	100	100	100
CD	%	TM 209	110	110	110
MVTR (24 hr)	g/m ²	ASTM 1249-01	0.06	<0.06	0.43
O ₂ TR (24 hr)	cm ³ /m ²	ASTM D3985-02	0.28	<0.28	1.18
Surface			Matte	Matte	Matte
Heat Seal Layer			9% EVA	MDPE	28% EVA
UV Blocking			No	Yes	No

HB200UV UV blocking: 1 % transmission at 325 nm / 2.5% transmission at 350 nm

*Face-to-face seal, 355° F / 0.5 to 1 second dwell / 40 PSI

Continued on reverse side.

