

HF210

One Side Matt, Other Side Glossy Surface Film



DESCRIPTION :

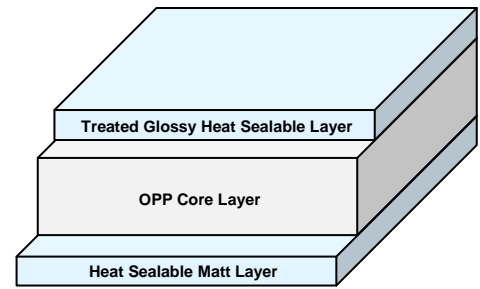
Gulf Pack HF200 is a BOPP film one side matt one side glossy both side heat sealable , treated

PRODUCT FEATURES :

One side matt surface, other side glossy
Both sides heat sealable
Glossy side treated for printing / lamination
Good antistatic property

APPLICATIONS :

Paper look lamination
Rotogravure and flexographic reverse printing
HFFS and VFFS packaging



PROPERTIES		UNIT	TYPICAL VALUES				TEST METHOD.		
PHYSICAL	Thickness	Microns	18	20	25	30	ASTM D 374		
		Gauge	72	80	100	120			
	Grammage	g/m ²	15.45	17.20	21.50	25.80	*GPIM		
		lbs/ream	9.47	10.55	13.19	15.83			
	Yield	m ² /kg	64.82	58.23	46.61	38.82			
		in ² /lb	45,662	40,980	32,805	27,323			
Coefficient of Friction (Film/Film)			0.40				ASTM D 1894		
Surface Tension (Treated Side)		dynes/cm	38				ASTM D 2578		
OPTICAL	Haze		%				75	ASTM D 1003	
	Gloss (45°)	GS / MS	50 / 10					ASTM D 2457	
MECHANICAL	Tensile Strength at Break	*MD	kg/mm ²	12				ASTM D 882	
		*TD		22					
		MD		psi	17,064				
		TD			31,284				
	Elongation at Break	MD	%	180				ASTM D 882	
		TD		50					
	Modulus of Elasticity	MD	kg/mm ²	200				ASTM D 882	
		TD		375					
MD		psi	284,400						
TD			583,250						
THERMAL	Thermal Shrinkage	MD	%	< 4.0				GPIM (120° C (248°F), 5 min, air)	
		TD		< 2.0					
	Heat Seal Range		°C (°F)	120– 140 (248– 284)				GPIM	
	Heat Seal Strength (Film/Film)	g/15mm	280				GPIM (130°C, 1bar, 1sec)		
lb/0.59in		0.617				GPIM (266°F, 14.5psi, 1 sec)			

* GPIM – Gulf Pack Internal Method *MD – Machine Direction *TD – Transverse Direction

Gulf Pack HF200 films comply with EU Regulation 10/2011/EC and USA FDA Code of Federal Regulations CFR21 section 177.1520 (c) 1.1 and are suitable for use in packaging, carrying and transporting foodstuffs.

The information contained in this technical leaflet illustrates typical values only and are to the best of our knowledge. Since the conditions under which our films may be used are beyond our control, such values are declared without warranty or guarantee.

Bi-axially oriented polypropylene films age with time and will exhibit deterioration of some properties if not stored in a suitable environment at a temperature 30°C or below. We strongly advise our customers to use recommended storage conditions and consume products before 6 months from date of production in our plant.

Gulf Pack HF200 standard surface treatment location is on the glossy outer side (O); other treatment preference can be arranged upon agreement with the sales representative before order processing.

Detailed advice regarding other specific applications of Gulf Pack HF200 and other films in the Gulf Pack range is available upon request.