

S U P T H E R M**7072**

TECHNICAL INFORMATION

Description

SUPATHERM 7072 is a transparent, high gloss, BOPP film for thermal lamination applications. One side is specially formulated to give high lamination strength by applied heat. Both side treated.

Properties

- *Excellent adhesion to laminate substrate by applied heat
- *No solvent and/or chemical release during lamination
- *Excellent gloss and clarity
- *Low haze
- *Improved antistatic property
- *Good dimensional stability
- *Resistance to chemicals, greases and oils
- *Excellent ink and coating adhesion to non coated surface
- *Excellent mechanical properties

Applications

Thermal lamination with printed or non printed substrates like book covers, cartons, boxes, bags, posters and papers. Glossy side is treated for additional print and coating.

Caution

Care must be taken to keep the rolls in cool and dry places and not to expose to direct sunlight due to lower activity temperature property of special layer

BOPP TECHNICAL PROPERTIES				TEST METHOD
SUPTHERM 7072				
THICKNESS	micron		24	ASTM D 2673
	Gauge		96	
YIELD	m ² /kg		45,3	ASTM D 2673
	in ² /Lbs		31850	
TENSILE STRENGTH	MD	N/mm ²	160	ASTM D 882
		lb/in ²	23187	
	TD	N/mm ²	300	
		lb/in ²	43476	
ELONGATION AT BREAK	MD	%	140	ASTM D 882
	TD	%	60	
THERMAL SHRINKAGE	MD	%	4	ASTM D 1204
			2	
	TD	%		
COEFFICIENT OF FRICTION (COF)	A / B		0,60	ASTM D 1894
	A / Metal		0,25	
HAZE	%		80	ASTM D 1003
GLOSS (45°)	A		60	ASTM D 2457
	B		10	
SURFACE TENSION	Dyn/cm		38/38	ASTM D 2578
ACTIVITY TEMPERATURE	°F		176- 266	ASTM F 88
	°C		80 - 130	
LAMINATION STRENGTH TO PAPER	N/15mm		6	ASTM F 904