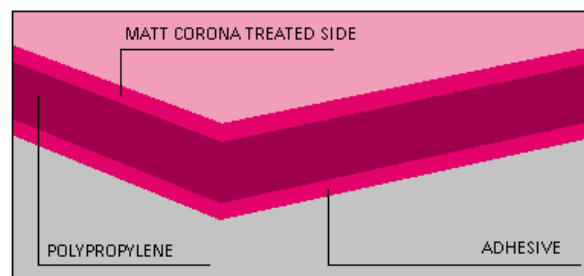# D E E P   M A T T   S U P E R D I G Y   4 0 μ

Biaxially oriented polypropylene matt film for thermal lamination on digitally printed paper and cardboard. The film is specifically recommended for digital toner machines like Xerox and Canon.

Product code: TEM040
Update: December 2020

TECHNICAL FEATURES

PHYSICAL PROPERTIES		TEST METHOD	UNIT	VALUE
Thickness		Internal	micron (μm)	40
Thickness BOPP		Internal	Micron (μm)	12
Thickness EVA		Internal	Micron (μm)	28
Yield		Internal	m^2/kg	26,31
Grammage		Internal	g/m^2	38±0,5
Surface tension	Adhesive side	ASTM D 2578	Dyne/cm	45±2

MECHANICAL PROPERTIES		TEST METHOD	UNIT	VALUE
Tensile strength	MD	ASTM D 882	Kg/mm^2	15±3
	TD			30±3
Elongation at break	MD	ASTM D 882	%	-
	TD			-

THERMAL PROPERTIES		TEST METHOD	UNIT	VALUE
Heat shrinkage (120°C, 15 min.)	MD	ASTM D 1204	%	3,5±0,5
	TD			1,4±0,5
Lamination temperature (to be checked according to lamination conditions)		Internal	°C	85~95
Bonding strength (average)		ASTM D 1876	Kgf/25mm	>1

OPTICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Gloss Level after lamination	ASTM D 523	GU	>10
Haze after lamination	ASTM D 1003		<60
Trasmittance	ASTM E 1164	%	>80
Reflectivity	ASTM E 1164	%	11

Storage: store in a dry and clean place far from heat sources and humidity (max 30°C and 55% of relative humidity). Do not expose rolls to direct sunlight. Protect the partially used rolls and keep a high stock rotation. The film should be allowed to reach operating room temperature 24 hours before use.

Note: trial tests are recommended before proceeding with full production run so as to verify the suitability of the product for its specific application. Verify the compatibility of the film with inks and adhesives. Please visit our web site for more details.

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