



PRODUCT DATA SHEET

PRODUCT NAME	POLYNEX GLOSS TIGERBOND 40
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COMPOSITION : Thickness 40 μ m

	\longrightarrow	BOPP	12mic	* You can choose the base film material also :
	\longrightarrow	Blended E	28mic	Perfex, Nylonex, Polynex

PRODUCT PROPERTIES			Test Method
Section	Unit	Standard value	
1) Optical Data			
Transmittance	%	>80	ASTM E 1164
Reflectivity	%	9	ASTM E 1164
Haze (After Lamination)	%	<2	ASTM D 1003
Gloss Lev (20 $^{\circ}$) (After Lamination)	G.U	>110 > 70	ASTM D 523
(In the case of Polynex)			
2) Physical Data			
Tensile Strength	MD	15 \pm 3 (kg/mm \bar{m})	ASTM D882
	TD	30 \pm 3 (kg/mm \bar{m})	ASTM D882
Heat Shrinkage	MD	3.5 \pm 0.5 %	ASTM D 1204 (120 $^{\circ}$ C / 15min)
	TD	1.4 \pm 0.5 %	
Glue melting point	$^{\circ}$ C	85	ASTM D3418
Lamination Temperature	$^{\circ}$ C	85~95	Protopic III- 540
Surface Wetting Tension (glue side)	dynes/cm	45 \pm 2	ASTM D2578
Bonding Strength (average)	kgf/25mm	> 1	ASTM D1876
Film weight	g/m \bar{m}^2	35 \pm 0.5	

< Remarks >

- 1) Storage Condition(Before Lamination) : min 5 $^{\circ}$ C~max 30 $^{\circ}$ C / 50 \pm 5 %
- 2) Gurantee periods : 6 months from product date by hermetically sealed
- 3) Bonding strength measured after laminating the film to a color bar chart printed on Xerox DocuColor
- 4) Gloss is to be measured after laminating the film to paper.
- 5) Haze and clarity are to be measured after "clearing out" the adhesive by heating.
- 6) Recommand the digital prints substrate to laminate : Xerox docucolor series, iGen 3, Canon YT etc.

The data contained herein is provided to the best knowledge and is based on our general experience and tests undertaken in our laminating film laboratories. But GMP cannot guarantee these data in respect of factors, which are out of our control and responsibility. Therefore compliance with all legal patents, copyrights and registered designs is responsibility of user.