

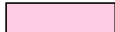





PRODUCT DATA SHEET

PRODUCT NAME

PRONEX UV COLD 75 GLOSS (PM) P/L

COMPOSITION : Thickness : 238 μm

	→ PVC	75 μm
	→ Adhesive	25 μm
	→ Silicone Coating	11 g/m ²
	→ Paper	100 g

PRODUCT PROPERTIES

Test Method

Section	Unit	Standard value	Test Method
1) Optical Data			
Transmittance	%	<90	ASTM E1164
Reflectivity	%	<10	ASTM E1164
Haze	%	<5	ASTM D1003
Gloss Level (60°)	G.U	>70	ASTM D523
UV Block (370nm)	%	>85	
2) Physical Data			
Heat Shrinkage	MD %	0.3 ± 0.5	
(100°C / 3min)	TD %	0.9 ± 0.5	ASTM D1204
Glue melting point	°C	N/A	ASTM D3418
Application Temperature	°C	> 15	Excelam Q 1670 RS Speed 3 step
Service Temperature	°C	-40~150	
Surface Wetting Tension	dynes/cm	N/A	ASTM D2578
(glue side)			
Bonding Strength (average)	kgf/25mm	<1	ASTM D1876

< Remarks >

- 1) Storage Condition(Before Lamination) : min 5°C~max 30°C / 50±5 %
- 2) Gurantee periods : 6 months from product date by hermetically sealed
- 3) Bonding strength measured after laminating the film to SUS-304 plate. (180° peel-off test)
- 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) Recommend 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.



PRODUCT DATA SHEET

PRODUCT NAME

PRONEX UV COLD 75 MATT(PM) P/L

COMPOSITION : Thickness : 238 μm

	→	PVC	75 μm
	→	Adhesive	25 μm
	→	Silicone Coating	11 g/m ²
	→	Paper	100 g

PRODUCT PROPERTIES

Test Method

Section	Unit	Standard value	Test Method
1) Optical Data			
Transmittance	%	<90	ASTM E1164
Reflectivity	%	<10	ASTM E1164
Haze	%	<25	ASTM D1003
Gloss Level (60°)	G.U	18	ASTM D523
UV Block (370nm)	%	90	
2) Physical Data			
Heat Shrinkage	MD %	0.3 ± 0.5	
(100 °C / 3min)	TD %	0.9 ± 0.5	ASTM D1204
Glue melting point	°C	N/A	ASTM D3418
Application Temperature	°C	> 15	Excelam Q 1670 RS Speed 3 step
Service Temperature	°C	-40~150	
Surface Wetting Tension	dynes/cm	N/A	ASTM D2578
(glue side)			
Bonding Strength (average)	kgf/25mm	<1	ASTM D1876

< Remarks >

- 1) Storage Condition(Before Lamination) : min 5 °C ~ max 30 °C / 50 ± 5 %
- 2) Gurantee periods : 6 months from product date by hermetically sealed
- 3) Bonding strength measured after laminating the film to SUS-304 plate. (180° peel-off test)
- 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.

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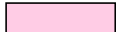





PRODUCT DATA SHEET

PRODUCT NAME

PRONEX UV COLD 75 EMBO60 (PM) P/L

COMPOSITION : Thickness : 238 μm

	→ PVC	75 μm
	→ Adhesive	25 μm
	→ Silicone Coating	11 g/m ²
	→ Paper	100 g

PRODUCT PROPERTIES

Test Method

Section	Unit	Standard value	Test Method
1) Optical Data			
Transmittance	%	<90	ASTM E1164
Reflectivity	%	<10	ASTM E1164
Haze	%	<70	ASTM D1003
Gloss Level (60°)	G.U	<10	ASTM D523
UV Block (370nm)	%	>90	
2) Physical Data			
Heat Shrinkage	MD %	0.3 ± 0.5	
(100°C / 3min)	TD %	0.9 ± 0.5	ASTM D1204
Glue melting point	°C	N/A	ASTM D3418
Application Temperature	°C	> 15	Excelam Q 1670 RS Speed 3 step
Service Temperature	°C	-40~150	
Surface Wetting Tension	dynes/cm	N/A	ASTM D2578
(glue side)			
Bonding Strength (average)	kgf/25mm	<1	ASTM D1876

< Remarks >

- 1) Storage Condition(Before Lamination) : min 5°C~max 30°C / 50±5 %
- 2) Gurantee periods : 6 months from product date by hermetically sealed
- 3) Bonding strength measured after laminating the film to SUS-304 plate. (180° peel-off test)
- 4) Gloss is to be measured after laminating the film to paper.
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PRODUCT DATA SHEET

PRODUCT NAME

PRONEX UV COLD 90 SPARKLER (PM) P/L

COMPOSITION : Thickness : 238 μm

	→ PVC	75 μm
	→ Adhesive	25 μm
	→ Silicone Coating	11 g/m ²
	→ Paper	100 g

PRODUCT PROPERTIES

Test Method

Section	Unit	Standard value	Test Method
1) Optical Data			
Transmittance	%	<90	ASTM E1164
Reflectivity	%	<10	ASTM E1164
Haze	%	<70	ASTM D1003
Gloss Level (60°)	G.U	<10	ASTM D523
UV Block (370nm)	%	>90	
2) Physical Data			
Heat Shrinkage	MD %	0.3 ± 0.5	
(100°C / 3min)	TD %	0.9 ± 0.5	ASTM D1204
Glue melting point	°C	N/A	ASTM D3418
Application Temperature	°C	> 15	Excelam Q 1670 RS Speed 3 step
Service Temperature	°C	-40~150	
Surface Wetting Tension	dynes/cm	N/A	ASTM D2578
(glue side)			
Bonding Strength (average)	kgf/25mm	<1	ASTM D1876

< Remarks >

- 1) Storage Condition(Before Lamination) : min 5°C~max 30°C / 50±5 %
- 2) Gurantee periods : 6 months from product date by hermetically sealed
- 3) Bonding strength measured after laminating the film to SUS-304 plate. (180° peel-off test)
- 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) Recommend the digital prints substrate to laminate : Xerox docucolor series, iGen 3, Canon YT etc.

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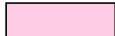





PRODUCT DATA SHEET

PRODUCT NAME

PRONEX UV COLD 100 SAND (PM) P/L

COMPOSITION : Thickness : 238 μm

	→ PVC	75 μm
	→ Adhesive	25 μm
	→ Silicone Coating	11 g/m ²
	→ Paper	100 g

PRODUCT PROPERTIES

Test Method

Section	Unit	Standard value	Test Method
1) Optical Data			
Transmittance	%	<90	ASTM E1164
Reflectivity	%	<10	ASTM E1164
Haze	%	<70	ASTM D1003
Gloss Level (60°)	G.U	<10	ASTM D523
UV Block (370nm)	%	>90	
2) Physical Data			
Heat Shrinkage	MD %	0.3 ± 0.5	
(100°C / 3min)	TD %	0.9 ± 0.5	ASTM D1204
Glue melting point	°C	N/A	ASTM D3418
Application Temperature	°C	> 15	Excelam Q 1670 RS Speed 3 step
Service Temperature	°C	-40~150	
Surface Wetting Tension	dynes/cm	N/A	ASTM D2578
(glue side)			
Bonding Strength (average)	kgf/25mm	<1	ASTM D1876

< Remarks >

- 1) Storage Condition(Before Lamination) : min 5°C~max 30°C / 50±5 %
- 2) Gurantee periods : 6 months from product date by hermetically sealed
- 3) Bonding strength measured after laminating the film to SUS-304 plate. (180° peel-off test)
- 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) Recommend the digital prints substrate to laminate : Xerox docucolor series, iGen 3, Canon YT etc.

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PRODUCT DATA SHEET

PRODUCT NAME

PRONEX UV COLD FLOOR MAT 200/CL

COMPOSITION : Thickness : 250 μ m

	→ PVC	200 μ m
	→ Adhesive	25 μ m
	→ Silicone Coating	7 g/m ²
	→ PET	25 μ m

PRODUCT PROPERTIES

Test Method

Section	Unit	Standard value	Test Method
1) Optical Data			
Transmittance	%	<90	ASTM E1164
Reflectivity	%	<10	ASTM E1164
Haze	%	<70	ASTM D1003
Gloss Level (60°)	G.U	<15	ASTM D523
UV Block (370nm)	%	<95	
2) Physical Data			
Heat Shrinkage	MD %	0.3 ± 0.5	
(100°C / 3min)	TD %	0.9 ± 0.5	ASTM D1204
Glue melting point	°C	N/A	ASTM D3418
Application Temperature	°C	> 15	Excelam Q 1670 RS Speed 3 step
Service Temperature	°C	-40~150	
Surface Wetting Tension	dynes/cm	N/A	ASTM D2578
(glue side)			
Bonding Strength (average)	kgf/25mm	<0.8	ASTM D1876

< Remarks >

- 1) Storage Condition(Before Lamination) : min 5°C~max 30°C / 50±5 %
- 2) Gurantee periods : 6 months from product date by hermetically sealed
- 3) Bonding strength measured after laminating the film to SUS-304 plate. (180° peel-off test)
- 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.
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