PPX Ink series

(Screen ink for untreated/ treated Polyolefin)

PPX ink is one pack type, evaporation drying type screen ink which shows adhesion to the untreated or treated Polyolefin materials (PP, etc.).

Application	Clear file folder, Corrugated Plastic
Special Features	・ Adhesion to untreated Polyolefin materials ・ Oil and alcohol resistances
Substrate	Polyolefin-type materials (Untreated Polypropylene, Treated Polyethylene)
Dilution	F-001 SOLVENT (fast)　F-002 SOLVENT (standard)　F-003 SOLVENT (slow) F-004 SOLVENT (extra slow)　　Dilution: 20% *Defoamer may separate over time. Stir 5 min or more with propeller type mixer before every use. *Do not use other solvents as they may adversely affect curing, adhesion, stencil stability, or other properties.
Additives	SM-40 DEFOAMER 2% (For anti-foam and improvement in leveling)
Recommended Cleaner	Screen Cleaner L2 or F-002 SOLVENT
Mesh	T 250 to 300 mesh
Drying	60℃　30 min 80℃　30 min（to improve resistance） *If the substrate is untreated Polypropylene, leave it for at least 24 hrs. after heat dry to obtain cellophane tape adhesion.
Standard Colors	000 MEDIUM　221 YELLOW　797 GREEN 121 SCARLET　391 BLUE　821 VIOLET 163 RED　611 WHITE　911 BLACK
Caution	・ Quality of PP and PE films may differ depending on manufacturers or mfg. lots. Please confirm adhesion well before printing. ・ Do not use PPX ink for outdoor application as it does not provide weather resistance. ・ Checking before production: Adhesion and resistance properties may change due to differences in substrates, processes, printing and drying conditions. Be sure to check the adhesiveness and resistance properties before mass production printing. ・ Ink shelf life: 24 months from production date, unopened.

Safety	UN No.: Not classified in the definition UN Classification: Not classified in the definition
Handling	・ Use safety gloves and eyeglasses to protect skin and eyes. If the ink comes in contact with skin, wash with soap and plenty of water (or lukewarm water) and consult with a doctor. ・ Containers should be closed tightly after use and stored in a cool and dark place. ・ SDS is available upon request. Please request a copy and read it carefully before handling the products.

Resistance

Test item	Test Conditions	Test results
Adhesion	JIS K 5600-5-6:ISO2409（cross-cut）、1mm interval 6×6、cellophane tape andpeel	0(no peel)
Pencil Hardness	JIS K 5600-5-4:ISO 15184(pencil)、Weight 750g, Hardness of the pencil which does not make scar.	HB
Heat	80℃ 240 hrs., check appearance and peel off from the substrate.	No defect
Hot Water	JIS K5600-6-2, Soak 24 hrs. in 60℃ hot water, check appearance and peel off from the substrate	No defect
Humidity and cool-heat cycling test	JIS K 5600-7-4 80℃(4H) ～20℃（2H）～-30℃（4H）～20℃（2H） 10 cycles, check appearance and peel off from the substrate.	No defect
Cold	-30℃ 240 hrs., check appearance and peel off from the substrate.	No defect
Water	Soak 72hrs in tap water, check appearance and peel off from the substrate.	No defect
Acid	5 hrs. in 5％ H_2SO_4, check appearance	No defect
Alkaline	5 hrs. in 5％ NaOH, check apperance	No defect

*Test condition 【PPX-911 BLACK】【Z-703 SOLVENT 20%】【80℃ 30 min】【T 250】
【Substrate: Untreated PP】

*Above test was conducted after leaving above printed materials for 24 hours at a room temperature.

*Above resistance test results are measured results in our laboratory and they are not guaranteed values.

*Information contained in this catalog may change without prior notice.

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