Technicalinformation

MicroP AD-PDP

QuickDrying,GlossyFinish,Opaque

PadPrintingInks

Substrates:

Pre-treatedpolyethyleneandpolypropylene

Application

Micro PAD - PDP are pad printing inks with quick drying, excellent transfer property, suitable for wet-on-wet printing. Specially developed for the following applications :

- Packaging containers,Caps ,Molded articles, Gift novelties, etc
- By adding Hardener HDR - 621, the ink can also be used to print on thermosetting plastics, coated substrates and metal. With the addition of the hardener, further improvement in respect to adhesion, mechanical resistance, water resistance and resistance to lubricants and detergents can be achieved

Characteristics

- Quick drying with excellent transfer property - suitable for wet-on-wet printing
- Excellentadhesion
- Highglossfinishwithhighopacity
- Goodresistancetowater ,detergents,lubricantsetc
- Non-toxic,meetsEN-71part3 Toysafetystandardforheavymetals*

Drying

The print becomes surface dry in 1 to 3 minutes and hard dry in 20 to 30 minutes at a temperature of 25^{0}C making them suitable for stacking

It takes about 5 - 7 minutes to become hard dry when passed through a tunnel oven at 50 to 70^{0}C

Range

MicroP AD-PDP MatchingSystem: Almostanyshadecanbematchedbymixingtheselectiveinksofthematching systemwhichcomprisesofthebasisshadesasfollows:

MatchLight Yellow	PDP-101	MatchV iolet	PDP-141
MatchMid Yellow	PDP-102	MatchUltraBlue	PDP-151
MatchDeepOrange	PDP-1 11	MatchDeepBlue	PDP-152
MatchScarletRed	PDP-121	MatchGreen	PDP-161
MatchCarmineRed	PDP-122	Match TintingWhite	PDP-171
MatchMagenta	PDP-131	Match TintingBlack	PDP-181
MixingClearBase	PDP-191	MixingExtenderBase	PDP-192

SpotColours

Bright Yellow	PDP-201	SkyBlue	PDP-251
Light Yellow	PDP-301	RoyalBlue	PDP-252
Mid Yellow	PDP-302	ReflexBlue	PDP-253
LightOrange	PDP-21 1	YellowGreen	PDP-261
DeepOrange	PDP-31 1	GrassGreen	PDP-262
Vermilion	PDP-221	ForestGreen	PDP-263
Scarlet	PDP-322	OpaqueWhite	PDP-271
BrilliantRed	PDP-223	BrilliantWhite	PDP-272
Purple	PDP-241	DenseBlack	PDP-281

*__Note:__PDP-301,PDP -302,PDP -31 1,PDP -322areLeadcontaininginkswhichdonotcomplywithEN-71.3

ProcessColours

Cyan	PDP - 401
Magenta	PDP - 402
Yellow	PDP - 403
Black	PDP - 404

By adding Extender Base PDP-192, the ink density can be reduced. The ink density can be increased by adding ink concentrates for the process colours in required proportion or by using a coarser mesh.

Metallic Inks (Bronzes)

RichGold	SH-801
RichPaleGold	SH-802
Silver	SH-804
MetallicClearBase	PDP-191

Recommended mixing ratio of Metallic Gold Pigment with PDP - 191 (without hardener) is 1:4 to 1:6

Recommended mixing ratio of Metallic Silver Pigment with PDP - 191 (without hardener) is 1:4 to 1:6

Mixing ratio of Mixture of metallic pigment and Clear Base with Hardener HRD - 621 is 10 : 1

The metallic ink made by mixing the metallic pigment + Metallic Clear Base with the hardener should be processed within 6-8 hours

PAD PRINTING ATM:

Any Quantity

Any Colour

Any Substrate

Any Time

Micro Inks revolutionises pad inks with its Pad Printing Inks ATM (Any Time Matching). Get your inks in 15 minutes flat.

Micro Inks Limited offers INSTANT COLOUR MANAGEMENT SOLUTION to commercial printers, packaging companies and distributors by introducing Computerized Colour Matching Software.

Contact us for detail information on Technology, Infrastructure and Equipments.

Auxiliaries :

Reducer : AX-931 can be added 10 to 20 % to the ink to get desired consistency

Retarder : AX-932 can be added 10 to 20 % to the ink to get desired consistency when required to make the ink slow drying. Even a suitable combination of the Retarder with the Reducer can be used to get desired retarding effect

Quick Dry Reducer : AX -933 can be used instead of AX - 931 for very high speed printing job

Over Print Varnish PDP-193 : For improvement of scratch and fade resistance of the print

Material Safety Data Sheet is available on request

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