

Textile Effects

LYOSPERSE® GP pigment inks

Water based pigment inks for digital printing on textiles



Process

Range

The LYOSPERSE® GP range is a new pigment inks range designed for digital garment printing and for large format plotters utilizing Piezo heads technology.
HUNTSMAN developed a complete range to provide larger color gamut.
The LYOSPERSE® GP ensures that prints meet the ecological standards.

Textile preparation

Pretreatment of the fabrics is not necessary in most cases.
If preparation is desired we recommend a solution of PREPAJET PIJ.
The fabrics are prepared by padding with:

Padding solution	g/l
Soft water	x
PREPAJET PIJ	10 - 30
	1000 g

Ink jet printing

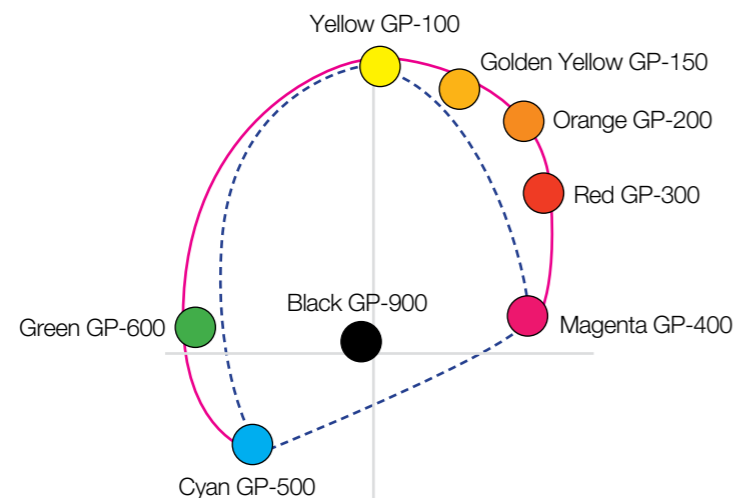
See the instructions issued by the manufacturer of the ink jet printer.
The optimal printing conditions are: Temperature 20-22 °C with humidity > 60 %

Fixation

Cure: 170 ° - 180 °C for 3 – 2 minutes
Higher temperatures and time can lead to fabric yellowing.

If the curing is made directly with the drying, it must be observed that the material really reached the curing conditions otherwise the fastnesses are not sufficient.

Color space



Printing range

LYOSPERSE® Yellow GP-100



LYOSPERSE® Golden Yellow GP-150

LYOSPERSE® Orange GP-200

LYOSPERSE® Red GP-300

LYOSPERSE® Magenta GP-400



LYOSPERSE® Cyan GP-500



LYOSPERSE® Green GP-600

LYOSPERSE® Black GP-900



Selection for garment printing

one piece of fabric
4x19 cm

Fastness properties

LYOSPERSE®	Washing 60 °C, C1S ISO 105-C06			Rubbing ISO 105-X12		Xenonlight ISO 105-B02
	Ch	CO	PES	dry	wet	
Yellow GP-100	4-5	4-5	4-5	4-5	4	6-7
Golden Yellow GP-150	4-5	4	4	4-5	3-4	6-7
Orange GP-200	4-5	4	4	3-4	3-4	6-7
Red GP-300	4-5	4	4	3-4	3-4	6-7
Magenta GP-400	4-5	4-5	4-5	3-4	3-4	6-7
Cyan GP-500	4-5	4-5	4-5	3	3	6-7
Green GP-600	4-5	4-5	4-5	3-4	3-4	6-7
Black GP-900	4-5	4	4	4	3	6-7

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Edition 2009

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—April 2009, Printed in China.

Number