

**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
	<hr/>
	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 %

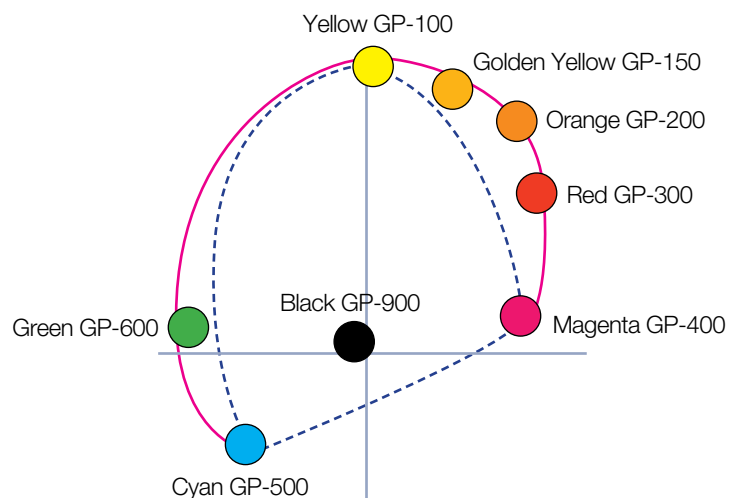
## Fixation

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

## Fastness properties

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