

## Z-Pharma

# 40 gsm



- Upon request available in FSC quality and CO<sub>2</sub> neutral

### Properties

Specially developed for the pharmaceutical industry, Z-Pharma is attractive for a wide range of applications thanks to its unbeatable processing and folding properties. In combination with controlled thickness, extremely high opacity and excellent printability – ideal for all colours and extremely fine print – it is predestined to be used for effective package inserts. Utilisation of eco-friendly pulp and an absolute minimum of optical brighteners, coupled with excellent archiving properties meet all demands on the ecological front, as well. Z-Pharma is GMP certified and can be supplied with an optional invisible security feature (protection against counterfeiting).

All Specialties papers are woodfree and acid free, have neutral sizing and excellent aging properties.

### Applications

• Offset printability	****
• Laser Printer (reels)	-
• Ink-Jet	**
• Copier (mono)	-
• Copier (color)	-
• Thermal transfer	-
• Flexo Print	****
• Hand writing pen / Nylon tip	**

### Special features

- package leaflet paper
- luminescence at least 6 according to Ciba-Scale, and > mind. 7 according to Laetus-Scale
- optional security features

### Special approvals

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### Features

- Superb processing and folding properties
- High opacity and excellent printability
- Ideal for package inserts (GMP certified)
- Optional security feature (anti-counterfeiting)
- Individual support and personal consultation

### Special norms fulfilled

Quality assurance system/Security system  
Aging properties  
Others

ISO 9001:2008, GMP-supplier (Good Manufacturing Practice)/OHSAS 18001/2007  
ANSI/NISO Z.39.48-1992, ISO 9706-1994, DIN 6738-1992  
BfR XXXVI (analysis for the conformity with the demands on food contact materials)

### Environment programs

Forest certifications:  
Environmental quality system  
Pulp Quality  
Sizing

ISO 14000, FSC 024310  
ISO 14001:2004, FSC-SQS-COC-024310, EMAS  
ECF/TCF-pulp; woodfree  
acid-free, neutral sizing

### Physical properties

Grammage  
Thickness  
Brightness  
Opacity  
Ash content  
Surface pH-Value  
Relative humidity

	Value	Control methods
gsm	41 ± 2	ISO 536
µm	47 ± 3	ISO 534
%	88,0 ± 1,0	DIN 53145
%	> 81	DIN 53146
%	14,0 ± 1,0	ISO 2144
%	7,3 ± 0,5	SVI-EMPA 12
%	45 ± 5	ISO 287

### User tips

Temperature 20 ± 3 °C  
Relative humidity 50 ± 5 %

### Processing

Adhesive laminating \*

Aluminium laminating -

#### Legende

\*\*\*\*super \*\*\*excellent \*\*good \*adequate -no information

Subject to modification at any time resulting from technical improvement. Status: 09.2011