

TECHNICAL LEAFLET

OLIFLEX BINDER RP50

Characterisation

Binder textile coating & printing

CHEMICAL STRUCTURE

Complex formulation main component aliphatic polyurethane based on polyether

SUPPLIED FORM

Slightly viscous homogeneous emulsion

IONIC CHARACTER

Anionic

SPECIFICATION (dry matter)

50% +/-2

pH

8,0 -9,5 (as supplied)

SOLUBILITY

It can be mixed in water in any ratio

STORAGE

In original closed containers in cool place it is stable more than six month.

STABILITY

The product must be protected from frost.

The product is stable with all the auxiliaries used in pigment printing. Tests should be carried on for discharge printing before to process.

FILM PROPERTIES
FILM APPEARANCE

Transparent, bright very flexible.

ULTIMATE ELONGATION

850%

TENSILE STRENGTH

 30 N/mm²
HEAT STABILITY

Excellent

UV STABILITY

Excellent

RESISTANCE TO WATER AND SOLVENT

Excellent

TG

-55°C

APPLICATION

[Oliflex Binder RP50](#) is mainly used in textile coating & printing to obtain flexible and soft handle.

It is ideal for sportswear, raincoat, sacks, bags and to all artificial and synthetic fabrics thanks to its good adhesion properties.

Other remarkable characteristics are the excellent resistance to water and UV rays and for these reasons it is an ideal binder for textile that are exposed to weathering like tents, curtains, military sacks etc.

The compound including [Oliflex Binder RP50](#) must be polymerised at 150 -170°C for 5 -2 minutes, to enhance fastness properties it is advisable to add a cross-linking agent like Rarofix LF or in case that the textile treated is used in extreme conditions the addition of a blocked di-isocyanate like Raroprint KAT is strongly recommended.

All the information's given are believed to be correct. In any case we cannot accept any responsibility since we cannot control the conditions in which our products are used.