

EXPERIENCE

EVERY SHADES OF WHITE ON
YOUR FABRICS WITH

TEXO-BRIGHT

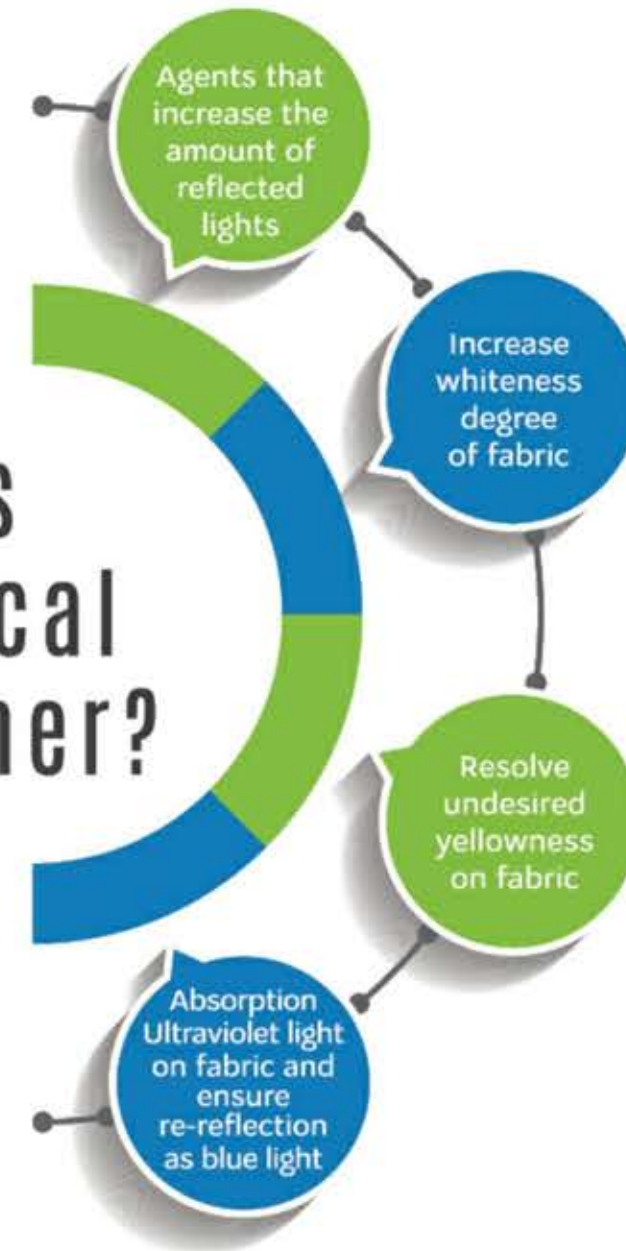


contexchem

connecting textile and chemistry



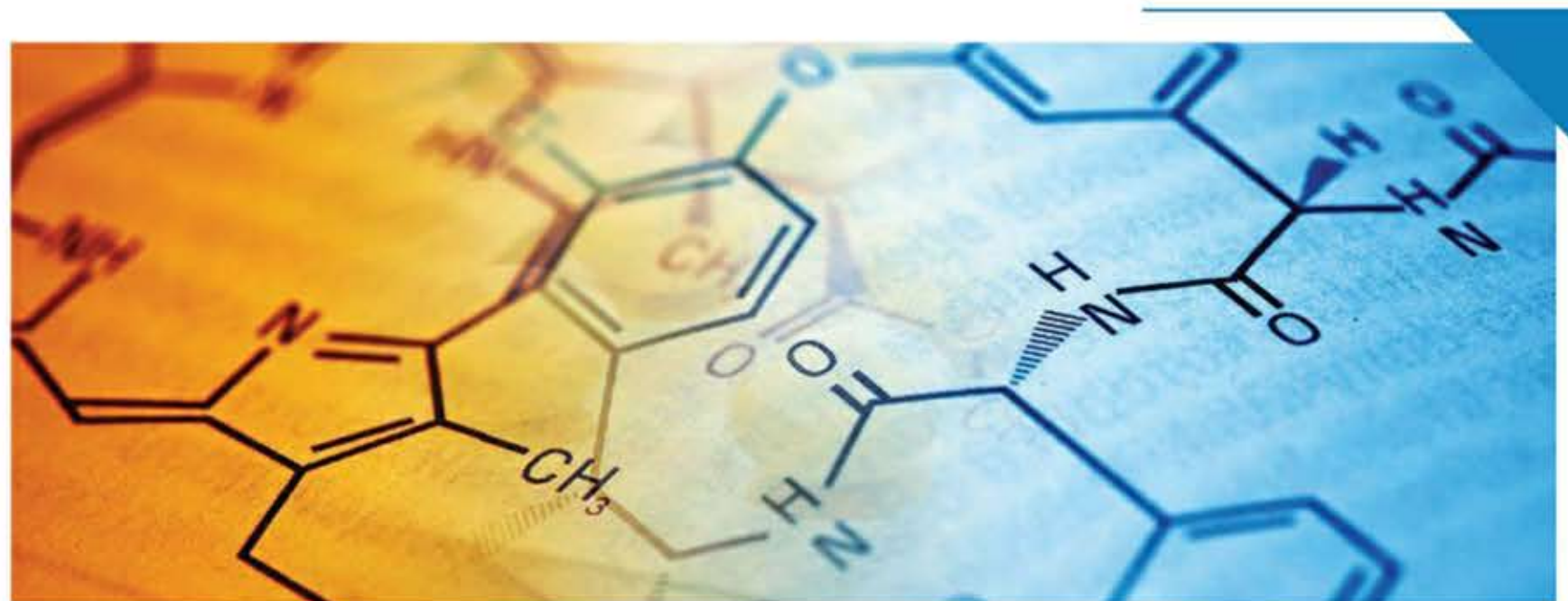
What is an Optical Brightener?





WHAT IS THE AFFINITY?

IT SHOWS THE POWER OF OPTICAL BRIGHTENERS.



OPTICAL BRIGHTENERS TYPES ACCORDING TO THEIR AFFINITIES



OPTICAL BRIGHTENER TYPES	PRODUCT	SHADE	AFFINITY	REDUCER	PEROXIDE
DISULFO-TYPES OBA's	TEXO-BRIGHT C140	NEUTRAL BLUISH	HIGH	+	+
	TEXO-BRIGHT C130	NEUTRAL BLUISH	HIGH	+	+
	TEXO-BRIGHT CN1	BLUISH	HIGH	+	+
TETRA-TYPES OBA's	TEXO-BRIGHT BTMC	NEUTRAL BLUISH	MEDIUM	+	+
	TEXO-BRIGHT PRS	NEUTRAL REDDISH	MEDIUM	+	+
HEXA-TYPES OBA's	TEXO-BRIGHT PLS	NEUTRAL BLUISH	LOW	+	+
	TEXO-BRIGHT RWC	NEUTRAL REDDISH	LOW	+	+

HIGH AFFINITY DISULFO- TYPES

TEXO-BRIGHT C140
TEXO-BRIGHT C130
TEXO-BRIGHT CN1

		TEXO-BRIGHT C140	TEXO-BRIGHT C130	TEXO-BRIGHT CN1
TECHNICAL DATA	APPEARANCE	Liquid	Liquid	Liquid
	DENSITY	1,18+/-0,05	1,2+/-0,05	1,2+/-0,05
	IONIC CHARACTER	Anionic	Anionic	Anionic
	AFFINITY	High	High	High
	SHADE	Neutral Bluish	Neutral Bluish	Bluish
STABILITIES	WATER HARDNESS (°dH)	40	40	40
	ACIDIC (pH)	6	6	6
	ALKALINE BE	2°Bé	2°Bé	2°Bé
	SODIUM HYDROSULPHIDE	Very Good	Very Good	Very Good
	HYDROGEN PEROXIDE	Very Good	Very Good	Very Good
	SODIUM HYPOCHLORIDE	Good	Good	Good
	SODIUM CHLORIDE	Good	Good	Good
COMPATIBILITY	ANIONIC - NONIONIC WETTING AGENTS AND SOFTENERS	Very Good	Very Good	Very Good
	CATIONIC SOFTENERS	Unstable	Unstable	Unstable
	CROSSLINKER AGENTS	Unstable	Unstable	Unstable
	CATALYZERS	Unstable	Unstable	Unstable

PROPERTIES

Disulfo-types optical brighteners can be used in high temperature jet and overflow machines. Due to high substantivity, we don't recommend to use disulfo-types optical brighteners in kier bleaching process instead of disulfo-types we should recommend to use TEXO-BRIGHT BTM liquid for this special process.

*The Purest
White*

		TEXO-BRIGHT C140	TEXO-BRIGHT C130	TEXO-BRIGHT CN1
TECHNICAL DATA	SALT DOSING	+	+	+
	OPTIMUM TEMPERATURE	50 - 95°C	50 - 95°C	50 - 95°C
	RECOMMENDED DOSAGE	0,2 - 0,8 %	0,4 - 1,0 %	0,5 - 1,0 %
	PEROXIDE BLEACHING (WITH SALT DOSING)	+	+	+
	TEMPERATURE	90 - 110°C	90 - 110°C	90 - 110°C
	RECOMMENDED DOSAGE	0,1 - 1,0 %	0,1 - 1,0 %	0,1 - 2,0 %
	REDUCTIVE BLEACHING (WITH SALT DOSING)	+	+	+
	TEMPERATURE	70 - 98°C	70 - 98°C	70 - 98°C
	RECOMMENDED DOSAGE	0,1 - 0,5 %	0,1 - 0,5 %	0,1 - 1,0 %

FASTNESS

		TEXO-BRIGHT C140	TEXO-BRIGHT C130	TEXO-BRIGHT CN1
TECHNICAL DATA	LIGHT FASTNESS ISO 105/B02 DIN 54004	4	4	4-5
	2 TIMES WASHES, 50 °C ISO 105/C02 DIN 54013	5	4-5	4
	3 TIMES WASHES, 60 °C ISO 105/C03 DIN 54010	4	4-5	4
	4 TIMES WASHES, 95 °C ISO 105/C043 DIN 54011	4	4-5	4
	HIPOCHLORIDE ISO 105/N01 DIN 54035	4	4-5	4
	PEROXIDE ISO 105/N02 DIN 54033	4-5	4-5	4-5
	CHLORINE BATH ISO 105/E03	4-5	4-5	4
	NITROGEN OXIDE ISO 105/G01 DIN 54025	5	5	4-5
	FLUE GASE ISO 105/G02	4-5	4-5	4-5
	OZONE STABILITY AATCC 129	4-5	4-5	4
	DRYING TEMPERATURE ISO 105/P01 DIN 54060 -180 °C -210 °C	- -	- -	- -



PEROXIDE BLEACHING + OPTICAL BRIGHTENER

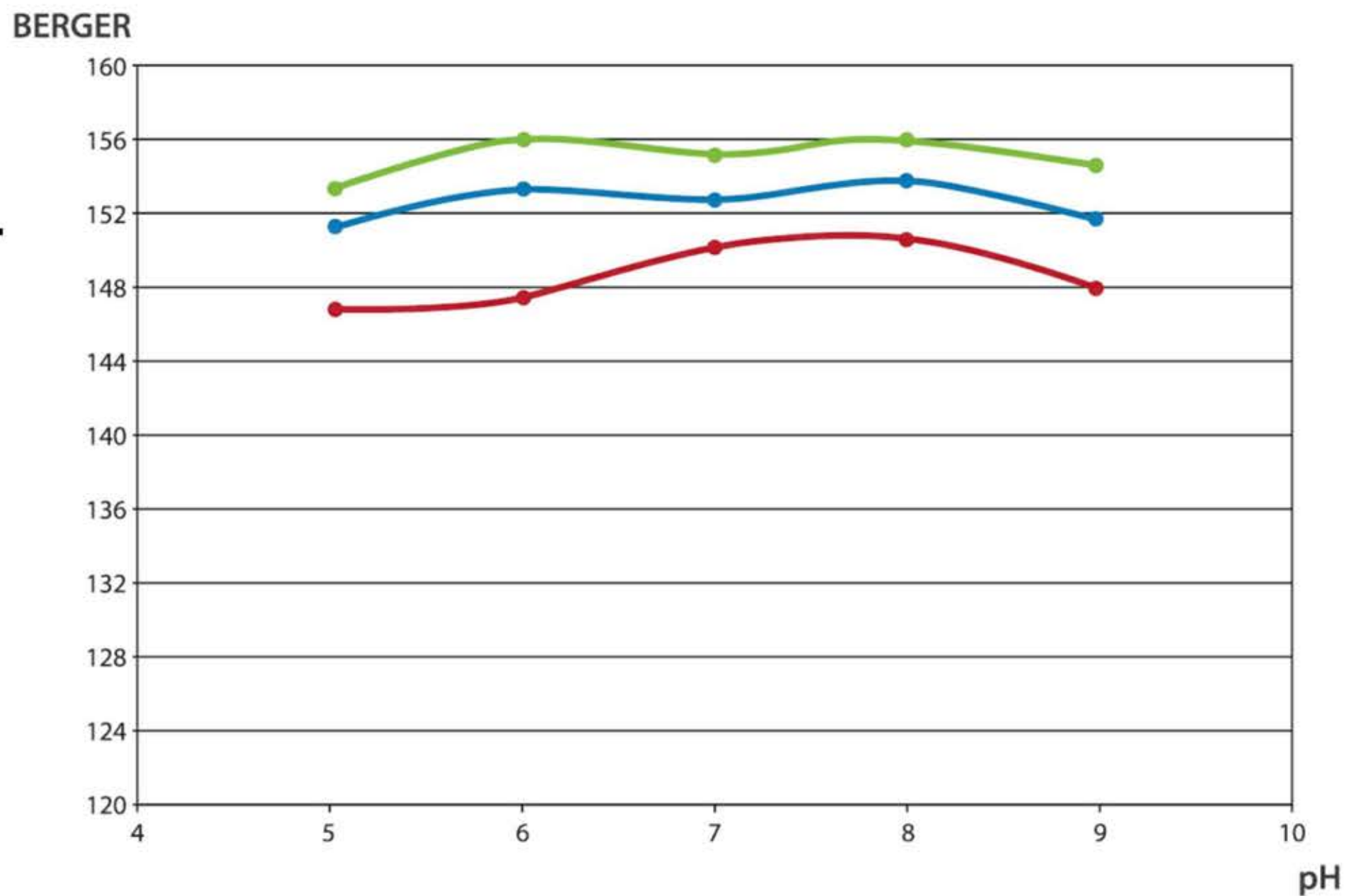
1. X % OBA
2. 0,8 g/lit WETCLEAN NF ULTRA
3. 0,3 g/lit NSTAB SFK
4. 8,0 g/lit PEROXSIDE
5. 5,0 g/lit CAUSTIC

OBA APPLICATION ON BLEACHED FABRICS

1. X % OPTICAL BRIGHTENER AGENT

TEXO-BRIGHT C140

pH Performance
Results

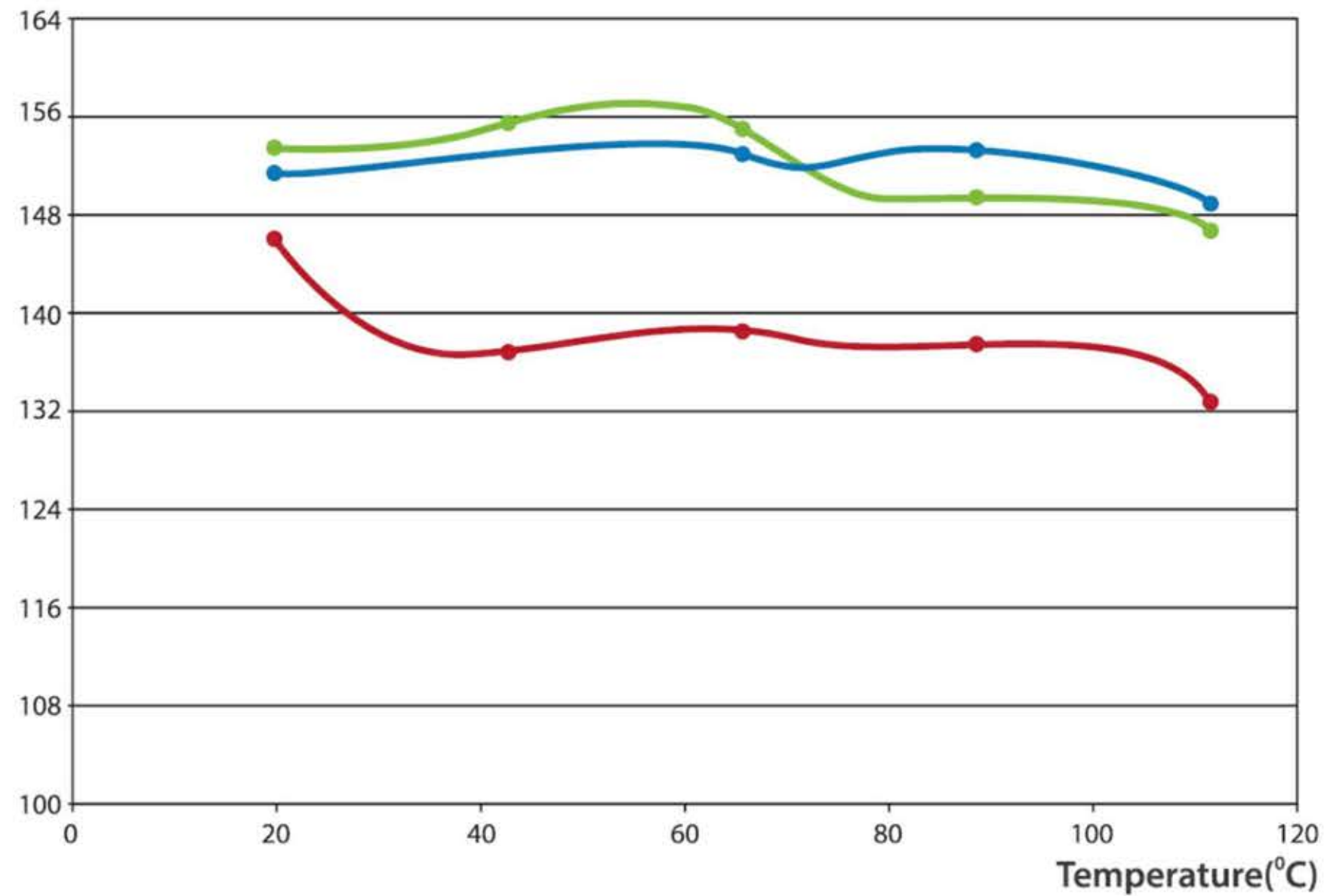


TEXO-BRIGHT C140

Temperature
Performance
Results



BERGER



MEDIUM AFFINITY PRODUCTS TETRA-TYPES

TEXO-BRIGHT BTMC
TEXO-BRIGHT PRS

		TEXO-BRIGHT BTMC	TEXO-BRIGHT PRS
TECHNICAL DATA	APPEARANCE	Liquid	Liquid
	DENSITY	1,16+/-0,03	1,17+/-0,05
	IONIC CHARACTER	Anionic	Anionic
	AFFINITY	Medium	Medium
	SHADE	Bluish	Neutral Reddish
STABILITIES	WATER HARDNESS (°dH)	40	40
	ACIDIC (pH)	5.5	3.5
	ALKALINE BE	20°Bé	20°Bé
	SODIUM HYDROSULPHIDE	Very Good	Very Good
	HYDROGEN PEROXIDE	Very Good	Very Good
	SODIUM HYPOCHLORIDE	Good	Good
	SODIUM CHLORIDE	Good	Good
COMPATIBILITY	ANIONIC - NONIONIC WETTING AGENTS AND SOFTENERS	Very Good	Very Good
	CATIONIC SOFTENERS	Unstable	Unstable
	FILLER PRODUCTS	Very Good	Very Good
	CROSSLINKER AGENTS	Stable Above pH 5.5	Stable Above pH 3.5
	CATALYZERS	Stable Above pH 5.5	Stable Above pH 3.5

PROPERTIES

These tetra-types optical brighteners can be used for exhaust and continue process due to have medium affinity properties. For exhaust process, adding more salt can increase the whiteness degree. TEXO-BRIGHT PRS shows very good compatibility in acidic pH so can be used and suitable for resin finishing or any acidic wet process.

*The Purest
White*

		TEXO-BRIGHT BTMC	TEXO-BRIGHT PRS
TECHNICAL DATA FOR EXHAUST PROCESS	SALT DOSING	+	+
	OPTIMUM TEMPERATURE	60 - 80°C	60 - 80°C
	RECOMMENDED DOSAGE	0,2 - 0,8 %	0,2 - 0,5 %
	PEROXIDE BLEACHING (WITH SALT)	+(*)	+(*)
	TEMPERATURE	90 - 110°C	90 - 110°C
	RECOMMENDED DOSAGE	0,2 - 1,0 %	0,2 - 0,8 %
	REDUCTIVE BLEACHING (WITH SALT)	+(*)	+(*)
	TEMPERATURE	70 - 80°C	70 - 80°C
	RECOMMENDED DOSAGE	0,2 - 0,8 %	0,2 - 0,5 %
FOR CONTINUE PROCESS	PAD -BATCH PEROXIDE BLEACHING	+	+
	PAD -ROLL PEROXIDE BLEACHING	+	+
	PAD -STEAM PEROXIDE BLEACHING	+	+
	RECOMMENDED DOSAGE	5 - 8 g/l	5 - 10 g/l
	CROSSLINKING AGENTS	+	+
	pH	Min. pH 5,5	Min. pH 3,5
	RECOMMENDED DOSAGE	1,0 - 7,5 g/l	1,0 - 4,0 g/l

FASTNESS

		TEXO-BRIGHT BTMC	TEXO-BRIGHT PRS
TECHNICAL DATA	LIGHT FASTNESS ISO 105/B02 DIN 54004	4-5	4-5
	2 TIMES WASHES, 50 °C ISO 105/C02 DIN 54013	5	5
	3 TIMES WASHES, 60 °C ISO 105/C03 DIN 54010	4-5	4-5
	4 TIMES WASHES, 95 °C ISO 105/C043 DIN 54011	4-5	4-5
	HIPOCHLORIDE ISO 105/N01 DIN 54035	4	4-5
	PEROXIDE ISO 105/N02 DIN 54033	4	4
	CHLORINE BATH ISO 105/E03	4	4
	NITROGEN OXIDE ISO 105/G01 DIN 54025	4-5	4-5
	FLUE GASE ISO 105/G02	4-5	4-5
	OZONE STABILITY AATCC 129	4	4
	DRYING TEMPERATURE ISO 105/P01 DIN 54060	3-4	3-4
-180 °C	5	4-5	
-210 °C	4	4	



EXHAUST PROCESS

PEROXIDE BLEACHING + OPTICAL BRIGHTENER

1. X % OPTICAL BRIGHTENER
2. 0,8 g/lit WETCLEAN NF ULTRA
3. 0,3 g/lit NSTAB SFK
4. 8,0 g/lit PEROXIDE
5. 5,0 g/lit CAUSTIC
6. %10 SODIUM CHLORIDE

CONTINUE PROCESS

COLD BLEACHING

1. X % OPTICAL BRIGHTENER
2. 110 g/lit HIDROGEN PEROXIDE
3. 40 g/lit STABION SFA
4. 10 g/lit STABION EDP
5. 15 g/lit WETAN BBS
6. 5 g/lit WETAN FAST
7. 40 g/lit ALKALI CO

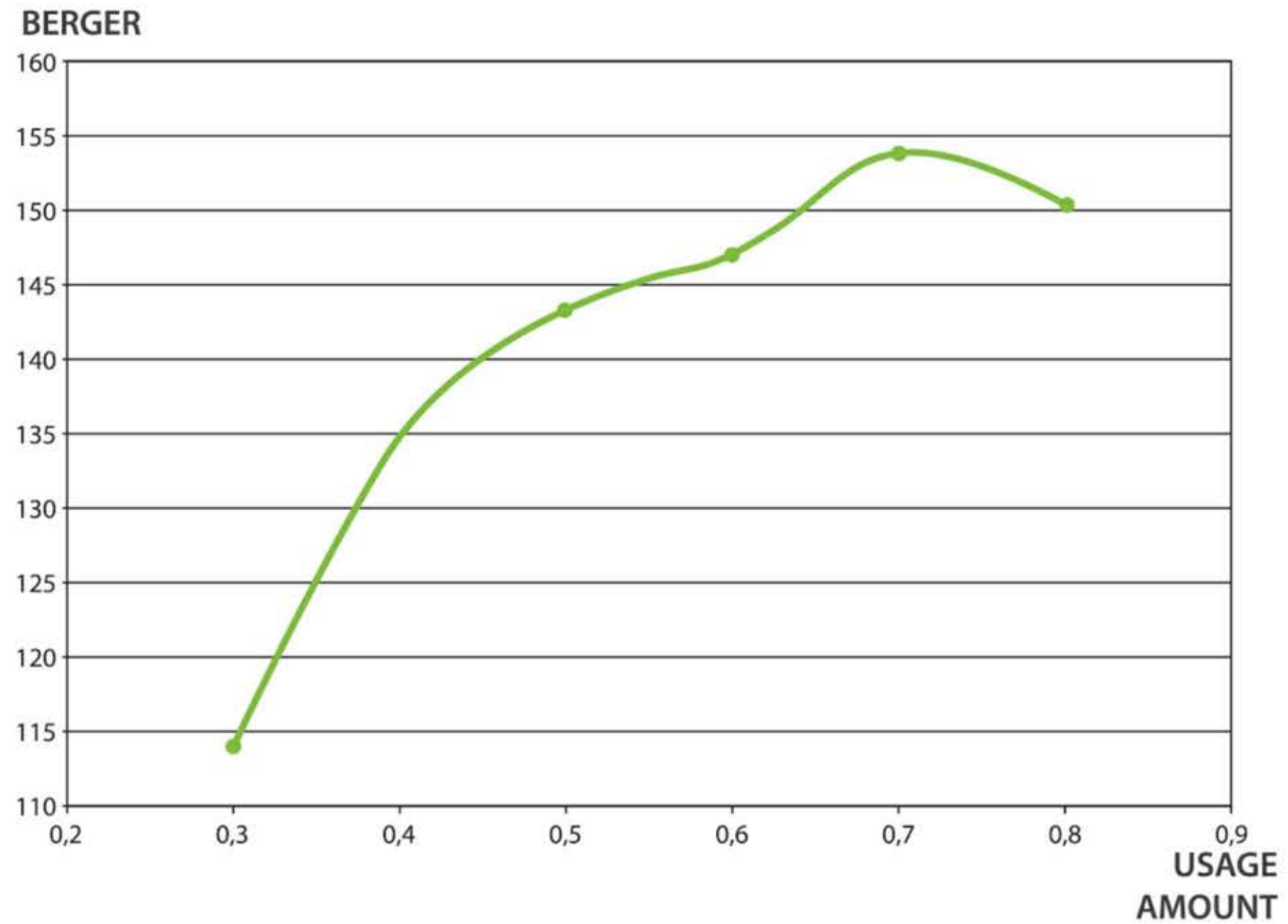
HOT BLEACHING

1. 10-40 g/lit HIDROGEN PEROXIDE
2. 4-8 g/lit STABION CD
3. 2-4 g/lit WETAN BBS
4. X % OPTICAL BRIGHTENER

TEXO-BRIGHT BTMC

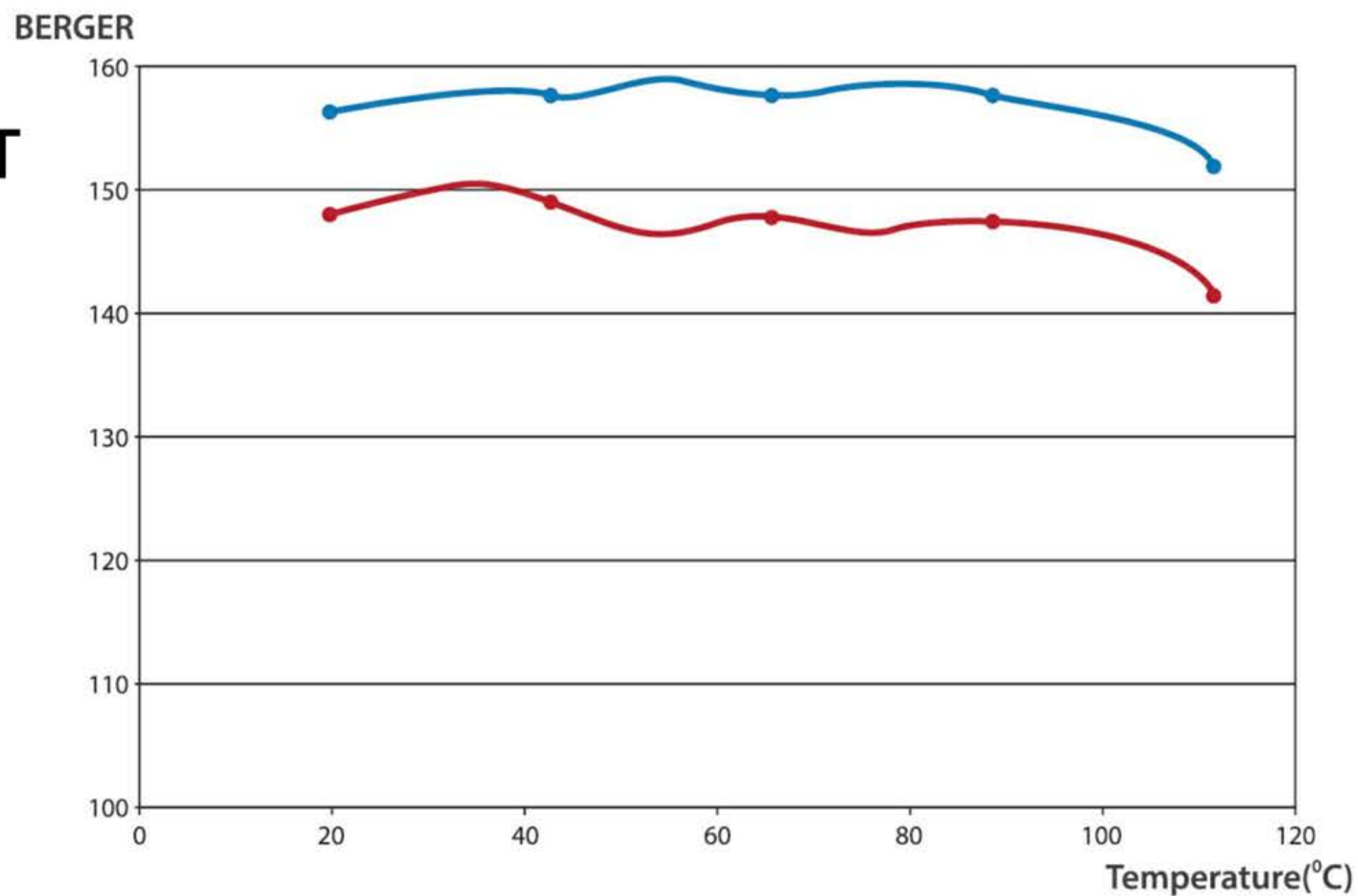
Concentration
Performance
Results

 Berger



TEXO-BRIGHT BTMC

Temperature
Performance
Results



LOW AFFINITY PRODUCTS HEXA-TYPES

TEXO-BRIGHT RLS
TEXO-BRIGHT RWC

		TEXO-BRIGHT RLS	TEXO-BRIGHT RWC
TECHNICAL DATA	APPEARANCE	Liquid	Liquid
	DENSITY	1,0,9+/-0,05	1,2+/-0,05
	IONIC CHARACTER	Anionic	Anionic
	AFFINITY	Low	Low
	SHADE	Neutral Yellow	Blue
STABILITIES	WATER HARDNESS (°dH)	40	40
	ACIDIC (pH)	1	1
	ALKALINE BE	12	12
	SODIUM HYDROSULPHIDE	Very Good	Very Good
	HYDROGEN PEROXIDE	Very Good	Very Good
	SODIUM HYPOCHLORIDE	Good	Good
	SODIUM CHLORIDE	Good	Good
COMPATIBILITY	ANIONIC - NONIONIC WETTING AGENTS AND SOFTENERS	Very Good	Very Good
	CATIONIC SOFTENERS	Unstable	Unstable
	CATALYZERS	Very Good	Very Good
	CROSSLINKER AGENTS	Stable above pH 1	Stable above pH 1
	FILLER PRODUCTS	Stable above pH 1	Stable above pH 1

PROPERTIES

Due to hexa-types optical brighteners are low affinity, these are mainly applied by the padding method. Hexa-types show excellent acid stability and good compatibility with the finishing agents used in the resin finishing of white goods. We recommend to use with a sequestering agent (TEKSOCOLOR PAY) in fulard bath to get more whiteness.

*The Purest
White*

		TEXO-BRIGHT RLS	TEXO-BRIGHT RWC
TECHICAL DATA	PAD - BATCH PEROXIDE BLEACHING	-	-
	PAD - ROLL PEROXIDE BLEACHING	-	-
	PAD -STEAM PEROXIDE BLEACHING	-	-
	CONTINUE PROCESS IN FULARD	+	+
	RECOMMENDED DOSAGE	5 - 10 g/l	5 - 20 g/l
	CROSSLINKER AGENTS	+	+
	PH	pH > 1	pH > 1
	RECOMMENDED DOSAGE	5 - 10 g/l	5 - 20 g/l

FASTNESS

		TEXO-BRIGHT BTMC	TEXO-BRIGHT PRS
TECHNICAL DATA	LIGHT FASTNESS ISO 105/B02 DIN 54004	4-5	4-5
	2 TIMES WASHES, 50 °C ISO 105/C02 DIN 54013	5	5
	3 TIMES WASHES, 60 °C ISO 105/C03 DIN 54010	4-5	4-5
	4 TIMES WASHES, 95 °C ISO 105/C043 DIN 54011	4-5	4-5
	HIPOCHLORIDE ISO 105/N01 DIN 54035	4-5	4-5
	PEROXIDE ISO 105/N02 DIN 54033	4	4
	CHLORINE BATH ISO 105/E03	4	4
	NITROGEN OXIDE ISO 105/G01 DIN 54025	4-5	4-5
	FLUE GASE ISO 105/G02	4-5	4-5
	OZONE STABILITY AATCC 129	4	4
	DRYING TEMPERATURE ISO 105/P01 DIN 54060 -180 °C -210 °C	4 4-5	4 4-5



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you are welcome

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PRODUCTS

HOW TO FIND US

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