

Committed to Sustainability.

At DyStar, our products and services help customers worldwide reduce costs, shorten lead times and meet stringent quality and ecological specifications.



Information and our technical advice – whether verbal, in writing or by way of trials – are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to check its validity and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with our General Conditions of Sale and Delivery.

DyStar, econfidence, DyStar, Sera, Telon and Isolan are registered trademarks of DyStar Colours Distribution GmbH, DE
Copyright of the material in this document is owned by, or licensed to, DyStar.
This product information is for general guidance only. Kindly contact your local DyStar authorised representative for Product Data Sheets and technical advice. Use chemicals safely and always check the product label and product information before use.

Global Headquarters
DyStar Singapore Pte Ltd
Tel: +65 6671 2800
Fax: +65 6659 1328
DyStar.Singapore@DyStar.com
www.DyStar.com



11.0018.01.2410

econfidence[®]
from DyStar



Sera[®] Fast N-HFB

Bisphenol-Free Fixing Agent for Polyamide



Benefits of Sera[®] Fast N-HFB

- Improves wet fastness properties on textiles made of polyamide and blends
- Free of bisphenols, phenol and formaldehyde
- Contains bio-based raw materials
- Does not impair the light fastness
- Improves the chlorine fastness

Trials with Sera Fast N-HFB

3.24 % Telon[®] Blue M-RLW on 100 % PA

	Water Fastness ISO 105-E01	Alkaline Perspiration Fastness ISO 105-E04
Without fixing agent		
Bisphenol containing fixing agent		
Sera Fast N-HFB		
	WO PAN PES PA CO AC	WO PAN PES PA CO AC

Blue Shade: 1.95 % Dyestuff on PA/EL

	Water Fastness AATCC 107	Storage Migration Fastness AATCC 163 Option 2
		Multifiber Staining Staining on self fabric
Without fixing agent		
Bisphenol containing fixing agent		
Sera Fast N-HFB		
	WO PAN PES PA CO AC	WO PAN PES PA CO AC

Trials with Sera[®] Fast N-HFB

4.0 % Isolant[®] Black 2S-EL on PA 6.6/EL 83/17 %

	Wash Fastness 50°C ISO 105-C06 B1S	Water Fastness ISO 105-E01	Acid Perspiration Fastness ISO 105-E04	Alkaline Perspiration Fastness ISO 105-E04
Bisphenol containing fixing agent				
Sera Fast N-HFB				
	WO PAN PES PA CO AC	WO PAN PES PA CO AC	WO PAN PES PA CO AC	WO PAN PES PA CO AC

	Water Fastness AATCC 107
Bisphenol containing fixing agent	
Sera Fast N-HFB	
	WO PAN PES PA CO AC

Improvement of Chlorine Fastness with Sera Fast N-HFB

Chlorine Fastness ISO 105-E03 100 ppm

	1.68 % Telon [®] Violet M-RWN 01	3.24 % Telon Blue M-BLW	0.72 % Telon Red M-CP	1.92 % Telon Green M-BW	3.24 % Telon Blue M-RLW
Sera Fast N-HFB	3-4	3	2	3-4	2-3
Original dyeing					
Conventional fixing agent	1	1-2	1-2	1-2	1-2
Without product	1	1	1	1	1