

Appendix-1

Certificates

SINCE 1989



(An ISO 9001:2000 Certified Laboratory)

2275895
Inq. 2275896
2275897

Chem-Tex[®] Laboratory

Behind Dena Bank, Vidhwa Jam, Main Road, SURAT.

Date: 23-08-2006
Party's Name: Mrs. Shaikh Tasnim N.
Address: BARODA
Nature of Test: Sr. Lecturer, Textile Engg. Dept of M.S. University

● TESTING RESULT ●

TO WHOM IT MAY CONCERN :

Yarn samples are received for evaluation for their structure, mechanical properties and texturising properties from Mrs. Shaikh Tasnim N., Sr. Lecturer, Textile Engg. Dept of M.S. University of Baroda. Samples are evaluated as per standard methods followed at our ISO 9001-2000 certified unit. Microscopical examination of innovative yarn shows that the product yarn have randomly arranged surface curls/crimp of various configurations and sizes along the length of the yarns locked in position by real twist.

This structure categorized them as an intermediate structure to that of false twist textured yarn and air jet textured yarn. Increased dye uptake and its uniformity for product yarn as compared to parent yarn confirm the occurrence of texturising and its uniformity. The quality parameters recorded matches well with the standards followed for crimp textured yarn. Looking at favorable structural characteristics and quality parameters its utility for apparel fabric, base fabric for embroidery and best option for the production of fancy yarn can be well justified.

For, Chem Tex Lab
23/8/2006

Note: This report is for your private use only and should not be used for publicity or litigation.

Working Hours: 10:00 a.m. To 8:00 p.m. Sunday Closed

● Where you get more confidential Report ●

SINCE 1989



(An ISO 9001:2000 Certified Laboratory)

2275895
Inq. 2275896
2275897

Chem-Tex[®] Laboratory

Behind Doms Bank, Vidhwa Gam, Main Road, SURAT

Date : 03-10-2008
Party's Name : Mrs. Shaikh Tasnim N.
Address : BARODA.
Nature of Test : Sr. Lecturer. Textile Engrg. Dept of M.S. University

● TESTING RESULT ●

TO WHOM IT MAY CONCERN :

Fabric sample are received for evaluation of their properties and based on that identifying their end use from Mrs. Shaikh Tasnim N., Sr. Lecturer. Textile Engrg. Dept of M.S. University of Baroda.

Samples are evaluated as per standard methods followed at our ISO 9001-2000 certified unit. Textured yarn fabrics as compared to parent yarn fabrics exhibits higher cover, crease recovery, thickness and abrasion resistance but reduced strength, air permeability confirm the stability of texturing effect after weaving and subsequent processing. The quality parameters recorded find these fabrics suitable for apparel fabric.

For, Chem Tex Lab.

Note : This report is for your private use only and should not be used for publicity or litigation.

Working Hours : 10:00 a.m. To 5:00 p.m. Sunday Closed

● We have not been certified by ISO 9001 ●



Modern PETROFILS - DTY DIVISION

[A Unit of Modern Syntex (I) Ltd.]

N.H. No 8, Post : Bamangam, Taluka : Karjan, Dist. BARODA-391 210, INDIA.

Phone : +91-265- 2830781,3293958 ♦ Fax : +91-265-2830804

Date: 22/06/2008.

TO WHOM IT CONCERN

Yarn samples prepared as the part of her Ph.D. work for the development of the new concept of texturising, by Mrs. Shaikh Tasnim N. have been sent for testing at the **Quality control laboratory of Modern Petrofils**, producing polyester POY, textured & dyed yarns. The evaluation of the delivered samples was carried out for various quality parameters of the textured yarn as per **ISO 9002** standards. Results confirm the texturising as well as uniformity of the texturising. The structure of the new product resembles it as an intermediate to that of Air jet textured yarn and False twist textured yarn. Knitted hoses were prepared without snagging at needle as well as the product exhibits good degree of effect on yarn properties at low pre twist level. Woven and finished fabric samples of these yarns (used as weft), prepared at Surat and send for evaluation at the **Modern Petrofils**, also found to be suitable for apparels. This new concept of texturising has shown potential for commercialization.

This certification is based on the evaluation carried out at Modern Petrofils as per standards followed for the textured yarn and fabric. This certificate is issued for academic interest only.

For Modern Petrofils,

Dr. K.N. Bhaumik



Shilpa

FILAMENTS PVT. LTD.

Autho. Dealers : Reliance Industries Ltd. (P.F.Y.)

Mfg. of : TEXTURISED & CRIMPED YARN

Regd. Office :
4023, Jash Market
Ring Road, SURAT 395 002

Factory :
Block No. 24 & 25, Plot No. 13/A
Karanj Road, A. H. Zillaqo, Karanj
Tal. Mandvi, Dist. Surat

DATE: 02/09/2008.

TO WHOM SO EVER CONCERN

Yarn samples and finished fabric samples are received from Mrs. Shaikh Tasnim Nisarahmed, Sr. Lecturer in Textile Engineering Department of Faculty of Technology and Engineering, The Maharaja Sayajirao University of Baroda. These samples are prepared as the part of her Ph.D. work for the development of the new concept of texturising. As per the evaluation carried out at SHILPA FILAMENTS P. LTD.

- Yarn quality parameters measured confirms the texturising.
- Quality parameters of the textured yarn satisfy the specifications of modified false twist textured yarn.
- The mechanical and aesthetical quality of the fabrics proves their strength, if used for apparel sector.

This certification is strictly based on the evaluation procedures and standards followed at SHILPA FILAMENTS P. LTD and their Associates for the textured yarn and textured yarn fabric. Purely to be used for academic interest.

For
SHILPA FILAMENTS P. LTD

Auth Sign.



Block No. 206/P, Kadodara, SURAT - 394 327. Ph.: (02622) 272000, 271900, 99251 00075.

Ref. No.

Date :

Date: 16/10/08

To Whom It May Concern:

Grey fabric samples are received for dyeing from Mrs. Shaikh Tashim N., Sr. Lecturer, Textile Engg Dept of M.S. University of Baroda. Samples are Jet dyed with disperse dye. The uniform shade exhibited by all the samples indicates uniformity of texturing and absence of tight spots. However shrinkage of the fabric is lower than the normal but still provides good cover. The unique raising effect is seen on the fabric surface more prominently with crepe feel for the fabric woven with weft of textured yarn with higher basic twist and coarser yarn. Whereas low twist textured yarn fabric exhibits soft handle along with well cover surface. This evaluation is pertaining to long experience in the field of dyeing. Its future in the decorative fabric, hangings and embroidery sector seems bright.

For

Priya Dyeing Mills

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