



Textiles Committee

Government of India, Ministry of Textiles

P. Balu Road, Prabhadevi, Mumbai – 400 025

Tel: 022-6652 7563, Fax: 022- 6652 7509

E-mail: secytc@gmail.com, textiles.tc1964@gmail.com.

Website: www.textilescommittee.gov.in

Questionnaire for Mandatory Standard of High Tenacity Yarn of Nylon or Other Polyamides (HS: 540210)

1. Corporate Office:

1.1. Name & address		
	Tel. No.	Fax :
	Website:	
Email:		
1.2. Contact Person CEO/VP/GM/Technical	Name:	
	Designation:	
	Phone:	Mobile:
	Email:	

2. High Tenacity Yarn of Nylon or Other Polyamides Manufacturing Unit/ Division:

2.1. Name & address		
	Tel. No.	Fax :
Email:		
2.2. Contact Person GM/Unit Head/Technical	Name:	
	Designation:	
	Phone:	Mobile:
	Email:	

3. Nature of Business

	% share of the production
3.1. Captive consumption*	
3.2. Domestic market	
3.3. Export market	
*If Captive consumption, please provide the types of product manufacturing & their end use application	

4. Raw materials being used for Your High Tenacity Yarn of Nylon or Other Polyamides

S.No	Raw material Used	Domestic %	Imported %

5. Constructional and Performance requirements of High Tenacity Yarn of Nylon or Other Polyamides

5.1. Basic Parameters [Please Tick √]

5.1.1. Type of Polyamide			
HT Nylon 6	<input type="checkbox"/>	HT Nylon 6, 6	<input type="checkbox"/>
		HT Other Polyamides	<input type="checkbox"/>
In case you marked on HT other polyamides, Please mention the type of HT Polyamide that.			
5.1.2. Fiber Cross-section			
Round	<input type="checkbox"/>	Serrated	<input type="checkbox"/>
Trilobal	<input type="checkbox"/>	Triangular	<input type="checkbox"/>
Octolobal	<input type="checkbox"/>	Other	<input type="checkbox"/>
5.1.3 Brightness / Lustre			
Full Dull (FD)	<input type="checkbox"/>	Bright (B)	<input type="checkbox"/>
Semi Dull (SD)	<input type="checkbox"/>	Super Bright (SUB),	<input type="checkbox"/>
5.1.4. Colour			
Grey	<input type="checkbox"/>	White	<input type="checkbox"/>
Optical White	<input type="checkbox"/>	Coloured/Dyed	<input type="checkbox"/>
If Coloured/Dyed yarn, please provide the types of Dyeing			
Dope Dyed	<input type="checkbox"/>	Other Dyeing	<input type="checkbox"/>
Conventional Dyeing	<input type="checkbox"/>		<input type="checkbox"/>
5.1.5. Other If Any (Please mention)			

5.2. Essential Parameters

Sl. No.	Characteristic	Requirement	CV % Max	Method of Test
5.2.1.	Linear Density of yarn (Denier)			
5.2.2.	No. of Filaments			
5.2.3.	Twists Per Meter (TPM)			
5.2.4.	Moisture Regain %			
5.2.5.	Melting Temperature (in °C)			
5.2.6.	Density (g/cm ³)			
5.2.7.	Tenacity, gm/denier (gpd)			
5.2.8.	Tensile Modulus gm/denier (gpd)			
5.2.9.	Elongation at Break %			
5.2.10.	Boiling Water Shrinkage %			
5.2.11.	Hot Air Shrinkage %			
5.2.12	Ply (No of Ply)			
#				
#				
#				
#				

If Dyed High Tenacity Yarn of Nylon or Other Polyamides

Colour Fastness Ratings to		Requirements, <i>Min</i>			Method of Test
		Dope Dyed	Conventional Dyed	Other Dyed	
5.2.12.	Light Change in Colour				
5.2.13.	Washing, Test 2 a) Change in Colour b) Staining				
5.2.14.	Rubbing a) Dry b) Wet				
5.2.15.	Dry Heat Treatments Change in Colour				
#					
#					

Note: # other if any Please specify.

5.3. Additional Parameters

Sl.No	Characteristic	Requirement	Method of Test
5.3.1.	Phosphorus Content % (<i>m/m</i>), <i>Min</i> (For Flame Retardant Yarns Only)		
5.3.2	UV Resistance (For UV Resistant Yarns Only), 500h, Percent Retained Strength, <i>Min</i>		
5.3.3.	Anti-Microbial Activity Value, <i>Min</i> (Only for Anti- Microbial fibres)		
5.3.4.	Free and Releasable Formaldehyde, mg/kg (ppm), <i>Max</i>		
5.3.5.	Extractable Heavy Metals by Artificial Acidic Sweat, mg/kg (ppm), <i>Max</i> a) Chromium, Total b) Lead c) Cadmium d) Copper		
5.3.6.	Banned Azo Colourants, mg/kg (ppm), <i>Max</i>		
#			
#			
#			
#			

Note: # other if any Please specify. (like Anti-bacterial, Anti-Static, Wicking, Far-infrared, etc...)

6. Detail of User Industries of your High Tenacity Yarn of Nylon or Other Polyamides.

User Industry / End User	Name, address, email-id and Phone/Mob. No of the users

7. Do you have the in-house system for quality assurance (Inspection/Testing/any other?)

Yes:

No:

If No, name the supporting organisation/test houses/any other.

1.	2.
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8. Do you follow any specific standard (National/International) for the High Tenacity Yarn of Nylon or Other Polyamides?

Yes:

No:

If yes, please name the standards.

9. If No, Would you like to have the regulation/standard for the product?

Yes:

No:

If No, reasons thereof:

10. Suggestions, if any

Please attach Additional sheet if you required.