

tonique

Simplicity with harmonious and elegant profile and the finest of mesh and upholstery make it become the cutting edge of simple and aesthetic seating.



features

MESH

- Tonique mesh is made from TPEE™ material which is processed using a unique extrusion technology, that will maintain both strength and elasticity for the mesh. TPEE™ is 100% recyclable with no chemical bonding agent or adhesive glue added so as not to harm health and its weave will not be distorted even with long-term use.
- Tonique Task feature 4 positions lock tilt or free floating
- High resilient PU mold form
- Gas lift height adjustment

frame / colours

black, White

mesh / colours

Black, Blue, Green, Orange

Fabric / colours

Black, Blue, Green, Orange

specifications

Max. user weight: 150KGS
 Daily sitting hours: 8+
 Back size (mm): 479w x 526h
 Seat size (mm): 499w x 486d
 Seat height (mm): 415-527

materials analysis

MATERIAL TYPE	CHAIR COMPONENT	% RECYCLABLE AFTER USE
Plastic (51.6%)	• Backrest - Frame (2.438kg)	99.3% Recyclable
	• Backrest - Mesh (0.13kg)	
	• Lumbar Support (0.076kg)	
	• Armrest (1.18kg)	
Steel (24.0%)	• Seat Mechanism(2.082kg)	99.3% Recyclable
	• 5 Star Base (2.28kg)	
	• Castors (0.6kg)	
Copper (0.8%)	• Others (0.067kg)	99.3% Recyclable
• Screws (0.14kg)		
Aluminium (16.20%)	• Mechanism (2.77kg)	99.3% Recyclable
Foam (6.60%)	• Armrest (0.92kg)	
Upholstery (6.60%)	• PU Seat Form (0.56kg)	0.7 % Non- Recyclable
	• Upholstery Fabric (0.12kg)	
Packaging (100%)	• Cardboard Carton & Internal Packaging (3.22kg)	99.96 % Recyclabl
	• Plastic bag (0.29kg)	
	• Tape (0.002kg)	0.04 % Non- Recyclabl

AUTO-BALANCE MECHANISM

The self adjusting mechanism is designed especially for Tonique chair. The main body itself is composed of an aluminum casing. The mechanism automatically accommodates users of different weight which eliminates the need to manually adjust tension settings. Additionally, tension adjustment can be further altered using the gas height lever and a 4-tilting-lock mechanism which incorporates a safe upright return system for the backrest.

Test Standard

BIFMA Test

Test Requested: For compliance with ANSI/BIFMA X5.1-2011 General-Purpose Office Chairs-Tests

Test Methods: According to test procedures of ANSI/BIFMA X5.1-2011

CPSIA

Test Requested: For compliance with lead in paint/similar surface coating material in US Public Law 110-314 (HR4040'Consumer Product Safety Improvement Act of 2008')

Foam Test

Test Requested: For compliance with:
California Technical Bulletin 117
(1) Section A, Part I
(2) Section D, Part Π

Packaging Test

Test Requested: For compliance with ISTA-1A Packaging test. Packaging Test Procedure(ISTA-1A):



Individual VOCs ¹	≤0.1 TLV
Formaldehyde	≤0.025 ppm(≤0.03 mg/m ³)
4-Phenylcyclohexene	≤0.0033 mg/m ³
Total VOCs ²	≤0.25 mg/m ³
Total Aldehydes ³	≤0.05 ppm
Listing of measured carcinogens and reproductive toxins as identified by California Proposition 65, the U.S. National Toxicology Program (NTP), and the International Agency on Research on Cancer (IARC) must be provided.	
Any pollutant regulated as a primary or secondary outdoor air pollutant must meet a concentration that will not generate an air concentration greater than that promulgated by the National Ambient Air Quality Standard (U.S. EPA, code of Federal Regulations, Title 40, Part 50).	

Fabric Specification & Testing

A	Fire Tests
1	California Technical Bulletin 117 Section E ,Part 1, Upholstery Fabric
2	BS 7176-2007 (BS EN 1021-1:2006 、 BS EN 1021-2:2006)
B	Tests
1	Fabric weight (OZ/SQ,Yd) -ASTM D 3776-09 a (R2002)
2	Defects - ASTM D 3990-99 (R2004)
3	Evenness of color - ASTM D 3990-99 (R2004)
4	Fabric Strength- Length & Width-ASTM D 5034 - 95 (R2001) - MIN. 50 LBS
5	Abrasion Resistance - ASTM D 3884 - 01 e1 - 300 cycles for Fabrics , Less than 10% weight loss
6	Tear Strength - Warp & Fill - ASTM D 1424 - 09
7	Colorfastness - Light - AATCC 16, GRADE 4@10HR
8	Colorfastness - Dry Crocking - AATCC 8 / 116, GRADE 4
9	Colorfastness - Wet Crocking - AATCC 8 / 116, GRADE 4
10	Colorfastness - Water Spotting - AATCC 104 - 2004 - CLASS 3.5
11	Abrasion Resistance : ISO 12947-2
	No. of rubs Over 80,000 rubs

