

6. Product designing description

6.1 Neonatal phototherapy eye mask

6.1.1 Intended use

Neonatal phototherapy eye mask is used to protect baby's eyes during phototherapy treatment.

6.1.2 Product description

Neonatal phototherapy eye mask can block blue light and other various strong visible light. It can protect baby's eyes well by blocking the blue light during the phototherapy treatment.

It is soft, water-absorbent, permeable, safe, without stimulation, not easy to shed-off.

It mainly consists of mask body, shield pad and adhesive tape.

The mask body is used to fix the eye mask on the head of the neonatal baby, and make sure the shield pad is placed on the eyes of the baby. It is divided as Large, medium, small and extra small according to the size.

The mask body is made by elastic bandage or elastic nonwoven cloth, which is soft, comfortable, with good permeability and elasticity.

The material can be ranked as follows:

Spunlaced nonwoven cloth, medical elastic bandage, adhesive tape, heat-sealed by ultrasonic

Elastic bonding spunlaced nonwoven cloth, adhesive tape, heat-sealed by ultrasonic.

Elastic bonding nonwoven cloth, adhesive tape, heat-sealed by ultrasonic.

Spunlaced nonwoven cloth, medical infusion stick, heat-sealed by ultrasonic.

The shield pad is used to block the blue light during phototherapy treatment, which is made of blue&black physical bonding fabric. It is ranked as large, medium, small, extra small according to the size. It is pasted on the mask body or built-in fixedly.

The adhesive is on the two sides of the mask body to offer the fixing function. It is heat-sealed on the mask body by ultrasonic.

6.1.7 Raw material

Raw material and Supplier is as Chart 3

Chart 3 Raw material and Supplier

Raw material	Supplier	Key material
Elastic bonding Nonwoven cloth	Jiangyin yongshen Nonwoven Technolgy Co.,Ltd	YES
Spunlanced Nonwoven cloth	Hangzhou Nanfeng Nonven Co.,Ltd	YES
Black&blue bonding fabric	Ottobock(Germany)	YES

Chart 4 Raw material quality requirement

Rank		Nonwoven cloth quality	Bonding fabric quality
Item			
Weight of per square meter (g)		70~305	80~500
Breaking strength N ≥	Portrait	17	100
	Landscape orientation	3.4	80
Fluorescence		N/A	

Chart 5 Accessories and supplier

Accessories	Supplier	Key raw material
Adhesive tape	Jiangmen Lujiu tape technology co.,ltd	N/A
Outer-carton	Nanjing carton co.,Ltd	N/A
Package	Anhui Anqing Baojie packing co.,ltd	N/A