

PHILIPS

RESPIRONICS

Sleep apnea

Mask materials

Mask and accessories materials list

Includes most lab versions except where noted.

Not made with natural rubber latex.

Provided for your reference by

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Full face masks

Amara gel

Component	Material
Frame/hub	Polycarbonate
Cushion	Silicone
Forehead pad	Silicone
Exhalation elbow	Polycarbonate
Exhalation chip	Acetal copolymer
Elbow swivel	Polycarbonate
Split washer	Polycarbonate
Forehead adjuster/ bracket	Polycarbonate
Headgear clip	Thermoplastic polyester elastomer
Headgear	UBL/Urethane foam/nylon and Lycra

Amara silicone

Component	Material
Frame/hub	Polycarbonate
Cushion	Silicone
Forehead pad	Silicone
Exhalation elbow	Polycarbonate
Exhalation chip	Acetal copolymer
Elbow swivel	Polycarbonate
Split washer	Polycarbonate
Forehead adjuster/ bracket	Polycarbonate
Headgear clip	Thermoplastic polyester elastomer
Headgear	UBL/Urethane foam/nylon and Lycra

Amara View

Component	Material
Frame/hub	Polycarbonate
Cushion	Liquid Silicone Rubber (LSR)
Elbow	Polycarbonate
Frame	Polycarbonate
Swivel	Polycarbonate
Entrainment valve diaphragm	Liquid silicone rubber (LSR)
15mm Tubing	Thermoplastic polyester elastomer
Headgear Clip	Thermoplastic polyester elastomer
Quick release feature	Polyoxymethylene (Acetal)
Headgear	Polyurethane, Nylon-Lycra

Full face masks (continued)

ComfortGel Blue Full

Component	Material
Faceplate	Polycarbonate
Gel cushion	Urethane gel
Gel cushion outer shell	Urethane
Outer flap (SST)	Silicone
Cushion flap ring	Polycarbonate
Forehead cushion	Silicone
Exhalation elbow and swivel	Polycarbonate
Exhalation chip	Acetal copolymer
Elbow split washer	Polycarbonate
Entrainment valve flapper	Silicone
Forehead support arm and bracket	Polycarbonate
Headgear clips	Thermoplastic polyester elastomer
Headgear (premium)	UBL/Urethane foam/Lycra

ComfortGel Full

Component	Material
Faceplate	Polycarbonate
Gel cushion	Urethane gel
Gel cushion outer shell	Urethane
Outer flap (SST)	Silicone
Cushion flap ring	Polycarbonate
Forehead cushion	Silicone
Exhalation elbow and swivel	Polycarbonate
Elbow split washer	Silicone
Entrainment valve flapper	Silicone
Forehead support arm and bracket	Polycarbonate
Headgear clips	Thermoplastic polyester elastomer
Headgear (premium)	UBL/Urethane foam/Lycra

FitLife

Component	Material
Faceplate	Polycarbonate
Cushion	Silicone
Exhalation elbow and swivel	Polycarbonate
Faceplate valve hub	Polycarbonate
Accessory swivel	Polycarbonate
Elbow split washer	Polycarbonate
Entrainment valve flapper	Silicone
Port cap	Polycarbonate
Headgear clips	Acetal
Headgear	UBL/Urethane foam/Lycra
Headgear (lab version)	Laminate composition of nylon and polyester polyurethane foam

Respironics Total face mask

Component	Material
Faceplate	Polycarbonate
Cushion	Silicone
Seal ring	Thermoplastic polyester elastomer
Valve body	Polycarbonate
Headgear	Neoprene/nylon

Nasal masks

ComfortGel

Component	Material
Faceplate	Polycarbonate
Gel cushion	Urethane gel
Gel cushion outer shell	Urethane film
Outer flap	Silicone
Forehead cushion	Silicone
Exhalation elbow and swivel	Polycarbonate
Elbow split washer	Polycarbonate
Forehead support arm and bracket	Polycarbonate
Headgear clips	Thermoplastic polyester elastomer
Headgear (premium)	UBL/Urethane foam/nylon and Lycra

ComfortGel Blue

Component	Material
Faceplate	Polycarbonate
Gel cushion	Urethane gel/EVA
Gel cushion outer shell	Urethane film
Outer flap	Silicone
Forehead cushion	Silicone
Exhalation elbow and swivel	Polycarbonate
Elbow split washer	Polycarbonate
Forehead support arm and bracket	Polycarbonate
Headgear clips	Thermoplastic polyester elastomer
Headgear (premium)	UBL/Urethane foam/Lycra
Headgear (deluxe)	Velstretch/Lycra laminate

DreamWear

Component	Material
Cushion	Silicone/polycarbonate
Frame	Silicone/polycarbonate
Elbow	Polycarbonate
Tubing quick release	Polycarbonate
Headgear	Polyurethane foam, nylon/Spandex
Fabric wraps	Polyester/Spandex

EasyLife

Component	Material
Faceplate	Polycarbonate
Inner seal cushion	Silicone
Outer support cushion	Silicone
Diaphragm cushion	Silicone
Exhalation elbow	Polycarbonate
Standard elbow (SE)	Polycarbonate
Elbow split washer	Polycarbonate
Headgear	UBL/Urethane foam/Lycra

Pico

Component	Material
Frame	Polycarbonate
Elbow	Polycarbonate
Swivel	Polycarbonate
Talon clip	Thermoplastic polyester elastomer
Cushion	Silicone/polycarbonate
Headgear	UBL/Urethane foam/nylon and Lycra

Respironics Profile Lite, Profile Lite Youth, Small Child Profile Lite

Component	Material
Faceplate	Polycarbonate
Cushion outer shell	Urethane
Port cap	Flexible vinyl (PVC)
Exhalation elbow and swivel	Polycarbonate
Spacer	White polyethyl foam
Headgear (deluxe)	Velstretch/Lycra laminate
Child SoftCap headgear	Velstretch/Lycra laminate
Headgear (RS)	UBL/Urethane foam/Lycra

Respironics Simplicity nasal mask

Component	Material
Faceplate	Polycarbonate
Cushion	Silicone
Tubing	Ethylene vinyl acetate (EVA)
Deluxe softcap	Velstretch/Lycra nylon
Headgear	Neoprene/nylon

Nasal masks (continued)

TrueBlue

Component	Material
Faceplate	Polycarbonate
Gel cushion	Polyurethane gel and polyester film
Gel forehead pad	Polyurethane gel and polyester film
Silicone spring ring	Polycarbonate
Silicone spring	Silicone
Silicone spring male ring	Polyether Imide
Sealing flap	Silicone
Sealing flap ring	Polycarbonate
Exhalation elbow	Polycarbonate
Exhalation chip	Acetal copolymer
Exhalation swivel	Polycarbonate
Split washer	Polycarbonate
Forehead bracket	Thermoplastic polyester elastomer
Talon clip	Thermoplastic polyester elastomer
Headgear	UBL/Urethane foam/nylon and Lycra

Wisp

Component	Material
Frame	Silicone/polycarbonate
Fabric frame	Nylon/Lycra/Urethane foam
Cushion	Silicone/polycarbonate
Elbow	Polycarbonate
Headgear clip	Acetal copolymer
Headgear	UBL/Urethane foam/nylon and Lycra/nylon thermoplastic
Tube	Thermoplastic polyester elastomer
Swivel	Polycarbonate
Female adaptor (SE only)	Polypropylene

Nasal pillow masks

Nuance

Component	Material
Faceplate	Nylon, Lycra, Urethane foam and Trico mesh
Headgear	Nylon UBL, Urethane foam, Lycra
Backstrap soft foam	Urethane foam
Swivel	Polycarbonate
Hub	Polycarbonate
Exhalation Elbow	Polycarbonate
Cushions	Silicone rubber
Pillows	Urethane gel
Tubing	Polypropylene
Cuffs on tubes	Polypropylene + Polyethylene
Bezel (center)	Hytrel
Bezel (headgear eyelets)	None
Grommet	Polypropylene
Hook tabs	Nylon

Nuance Pro

Component	Material
Faceplate	Thermoplastic polyester elastomer
Headgear	Nylon UBL, Urethane foam, Lycra
Backstrap soft foam	Urethane foam
Swivel	Polycarbonate
Hub	Polycarbonate
Exhalation Elbow	Polycarbonate
Cushions	Silicone rubber
Pillows	Urethane gel
Tubing	Polypropylene
Cuffs on tubes	Polypropylene + Polyethylene
Bezel (center)	Hytrel
Bezel (headgear eyelets)	Hytrel
Grommet	Polypropylene
Hook tabs	Nylon

OptiLife

Component	Material
Frame	Thermoplastic polyester elastomer
Cushion (pillows and CradleCushion)	Silicone
Tubing	Ethylene vinyl acetate (EVA)
Swivel	Polycarbonate
Headgear	UBL/Urethane foam/Lycra

Miscellaneous

Lab masks (LabClassic, LabFull, LabGel, LabSelect)

Materials as listed previous for reusable masks, except:

Component	Material
Foam forehead pad	Polyurethane foam
Disposable headgear	Polyurethane foam lined with nylon cloth (40 denier tricot)

Headgear

Component	Material
Headgear (premium)	UBL/Urethane foam/Lycra
Headgear (RS)	UBL/Urethane foam/Lycra
Headgear (deluxe)	Velstretch/Lycra laminate

SimpleStrap:

Mesh	Polyester
Strap loop/hook	Velstretch/nylon hook

Softcap:

Cap	Lycra
Strap loop/hook	Velstretch/nylon hook

Tubing

Component	Material
Standard gray tubing:	
Cuffs	Silicone rubber or equivalent thermoplastic elastomer
Wall	Polyester elastomer or ethylene octene copolymer
Helix	Polyester elastomer or LDPE or HDPE or equivalent
Performance tubing:	
Cuffs	Thermoplastic elastomer
Wall	Ethylene octene copolymer
Helix	Polypropylene



Wisp Pediatric Material Components

Updated 5/24/16

Component	Material
Hub	Amorphous Nylon
Dial	
Elbow	
Swivel	
Clips	
Cushion	Silicone
Tube	Thermoplastic Polyester Elastomer
Frame	Nylon/Spandex
Headgear	Polyurethane foam