







M-Series Technical Specifications

						
Model Number	M-105	M-107	M-305	M-307	M-405	M-407
Visor Area (approx.)	426 sq. cm (66 sq. in)	426 sq. cm (66 sq. in)	426 sq. cm (66 sq. in)	426 sq. cm (66 sq. in)	426 sq. cm (66 sq. in)	426 sq. cm (66 sq. in)
Maximum Size Range ² (head circumference)	51-64 cm (U.S. hat sizes 6 3/8 to 8)	51-64 cm (U.S. hat sizes 6 3/8 to 8)	51-64 cm (U.S. hat sizes 6 3/8 to 8)	51-64 cm (U.S. hat sizes 6 3/8 to 8)	51-64 cm (U.S. hat sizes 6 3/8 to 8)	51-64 cm (U.S. hat sizes 6 3/8 to 8)
Faceseal or Shroud	M-935 standard faceseal	M-937 flame resistant faceseal	M-935 standard faceseal	M-937 flame resistant faceseal	M-445 standard outer shroud; M-444 inner collar	M-447 flame resistant outer shroud; M-444 inner collar
Faceseal or Shroud Material	<u>Fabric</u> Polypropylene coated nonwoven poly-Propylene	<u>Fabric</u> Flame retardant coated polyester	<u>Fabric</u> Polypropylene coated nonwoven poly-Propylene	<u>Fabric</u> Flame retardant coated polyester	<u>Outer shroud:</u> Polypropylene coated nonwoven poly-Propylene. <u>Inner collar:</u> Polyurethane coated knitted polyamide	<u>Outer shroud:</u> Nomex® IIIA fabric* <u>Inner collar:</u> Polyurethane coated knitted polyamide
Approx. Weight ³ g (lbs.)	613 (1.4)	620 (1.4)	850 (1.9)	857 (1.9)	1049 (2.3)	1190 (2.5)
Headgear Shell Material	HDPE (High density polyethylene)	HDPE (High density polyethylene)	PC/PBT alloy (polycarbonate/polybutylene terephthalate) <i>Note: This is the same material as the L-Series Headgear Shells</i>	PC/PBT alloy (polycarbonate/polybutylene terephthalate) <i>Note: This is the same material as the L-Series Headgear Shells</i>	PC/PBT alloy (polycarbonate/polybutylene terephthalate) <i>Note: This is the same material as the L-Series Headgear Shells</i>	PC/PBT alloy (polycarbonate/polybutylene terephthalate) <i>Note: This is the same material as the L-Series Headgear Shells</i>
Headband Material	<u>M-150</u> TPE (Thermoplastic elastomer)	<u>M-150</u> TPE (Thermoplastic elastomer)	<u>M-350</u> TPE (Thermoplastic elastomer)	<u>M-350</u> TPE (Thermoplastic elastomer)	<u>M-350</u> TPE (Thermoplastic elastomer)	<u>M-350</u> TPE (Thermoplastic elastomer)
Visor Frame Material	PC/PBT alloy (polycarbonate/ polybutylene terephthalate)					
Visor Gasket Material (M-921)	TPE (Thermoplastic elastomer)					
Operating Temperature Range	-10° C to 55° C (14 ° F to 130° F)					
Storage Temperature Range	-30° C to 50° C (-22 ° F to 122° F) <i>Note: 4° C to 35° C (40 ° F to 95° F) suggested storage temperature range if product will be stored for an extended period before first use</i>					
Natural Rubber Latex	Does not contain components made from natural rubber latex					
Suggested Shelf Life	3 year suggested shelf life for all models when stored in original packaging and according to the recommended storage conditions. User must inspect headgear prior to each use to determine usability. Consult M-Series Headgear <i>User Instructions</i> for more information.					
Noise Level ⁴	Less than 80 decibels A-Scale (dBA)					

Foot Notes

- 1 3M™ supports an assigned protection factor of 1000 for the M-400 Series Helmet which is consistent with OSHA's APF defined in 29 CFR 1910.134. Contact 3M Technical Service for supporting data. In Canada, follow CSA Z94.4 or the requirements of the authority having jurisdiction in your area.
- 2 Optional size reducing ratchet comfort pad (M-956) is available to improve fit stability for smaller head sizes.
- 3 Weight is complete assembly.
- 4 Excluding external noise.



WARNING

These components , when used as part of a respirator system help reduce exposure to certain airborne contaminants. Use of 3M™ Powered and Supplied Air Respirators by untrained or unqualified persons, or use not in accordance with the instructions, **may adversely affect product performance and result in sickness or death.** Powered and supplied air respirators are to be used only by qualified persons who are properly trained in their use and maintenance and only in accordance with their operating and maintenance manuals. Each person using these products must first read and understand the operator's manual.