What is claimed is:

1. A filtering face-piece respirator comprising a mask body and a harness attached to the mask body, wherein the mask body comprises:

a corrugated filtering structure comprising peaks separated by valleys; and

elastic bridging filaments that are in discontinuous contact with at least one of an interior surface and an exterior surface of the corrugated filtering structure, wherein the elastic bridging filaments are attached to at least some of the peaks.

2. The respirator of claim 1, wherein portions of the elastic bridging filaments are melt bonded to at least some of the peaks.

3. The respirator of claim 1, wherein the peaks extend along a peak axis, and further wherein at least some of the elastic bridging filaments are substantially perpendicular to the peak axis.

4. The respirator of claim 1, wherein an average filament spacing of the elastic bridging filaments is greater than 0 mm and no greater than 51 mm.

5. The respirator of claim 1, wherein the peaks and the valleys of the corrugated filtering structure comprise an average radius of curvature of at least 2 mm.

6. The respirator of claim 1, wherein the corrugated filtering structure comprises a peak frequency of greater than 0 peaks per cm and no greater than 3 peaks per cm.

7. The respirator of claim 1, wherein the corrugated filtering structure comprises an average peak height of greater than 0 mm and no greater than 20 mm.

8. The respirator of claim 1, wherein the mask body does not comprise any permanently deformable layer or member that is corrugated along with the corrugated filtering structure so as to be in generally continuous contact with the corrugated filtering structure.

9. The respirator of claim 1, wherein the elastic bridging filaments are bonded to the corrugated filtering structure such that the mask body comprises at least 0.5 bonds per cm between the elastic bridging filaments and the corrugated filtering structure.

10. The respirator of claim 1, wherein the elastic bridging filaments comprise an average diameter of at least .25 mm and no greater than 2.00 mm.

11. The respirator of claim 1, wherein the peaks of the corrugated filtering structure extend along a peak axis, and wherein at least some of the elastic bridging filaments are disposed at an angle of about 45 degrees to the peak axis.

12. The respirator of claim 1, wherein the elastic bridging filaments are disposed on both the exterior surface and the interior surface of the corrugated filtering structure.

13. The respirator of claim 1, wherein the elastic bridging filaments comprise a first set of filaments and a second set of filaments, wherein the elastic bridging filaments are disposed on the corrugated filtering structure such that the first set of filaments alternate with the second set of filaments across the filtering structure, wherein the first set of filaments comprises a first average diameter and the second set of filaments comprises a second average diameter, and further wherein the first average diameter is greater than the second average diameter.

14. A method of making a respirator comprising a mask body, the method comprising:

forming a filtering structure;

corrugating the filtering structure such that the filtering structure comprises peaks separated by valleys;

forming the corrugated filtering structure into a cup-shaped configuration to form the mask body;

attaching elastic bridging filaments to at least some of the peaks of the corrugated filtering structure such that the elastic bridging filaments are in discontinuous contact with at least one of an interior surface and an exterior surface of the corrugated filtering structure; and

attaching a harness to the mask body.

15. The method of claim 14, wherein attaching elastic bridging filaments comprises:

extruding the elastic bridging filaments as a molten extrudate; and

depositing the molten extrudate on at least one of the interior surface and the exterior surface of the corrugated filtering structure.