CLAIMS

1. A readily-usable silicone hydrogel contact lens, comprising:
a preformed silicone hydrogel contact lens; and
a crosslinked hydrophilic coating on the preformed silicone hydrogel contact lens, wherein the crosslinked hydrophilic coating comprises from about 5% to about 80% by weight of poly(ethylene glycol) chains which are designated as PEG chains, wherein the readily-usable silicone hydrogel contact lens has (1) an averaged water contact angle of about 80 degrees or less, (2) an oxygen permeability of at least about 40 barrers, (3) an elastic modulus of about 1.5 MPa or less, and (4) a water content of from about 18% to about 70% by weight when fully hydrated.
2. The readily-usable silicone hydrogel contact lens of claim 1, wherein the readily-usable silicone hydrogel contact lens has an averaged water contact angle of about 70 degrees or less.
3. The readily-usable silicone hydrogel contact lens of claim 1, wherein the readily-usable silicone hydrogel contact lens has an averaged water contact angle of about 60 degrees or less.
4. The readily-usable silicone hydrogel contact lens of claim 1, wherein the PEG chains are derived from at least one member selected from the group consisting of: PEG-NH_2; PEG-SH; PEG-COOH; or combinations thereof.
5. The readily-usable silicone hydrogel contact lens of claim 2, wherein the PEG chains are derived from at least one member selected from the group consisting of: PEG-NH_2; PEG-SH; PEG-COOH; or combinations thereof.
6. The readily-usable silicone hydrogel contact lens of claim 3, wherein the PEG chains are derived from at least one member selected from the group consisting of: PEG-NH_2; PEG-SH; PEG-COOH; or combinations thereof.
7. The readily-usable silicone hydrogel contact lens of claim 1, wherein the PEG chains are derived from H_2N-PEG-NH_2; HOOC-PEG-COOH; HS-PEG-SH; H_2N-PEG-COOH; HOOC-PEG-SH; H_2N-PEG-SH; or combinations thereof.
8. The readily-usable silicone hydrogel contact lens of claim 2, wherein the PEG chains are derived from H_2N-PEG-NH_2; HOOC-PEG-COOH; HS-PEG-SH; H_2N-PEG-COOH; HOOC-PEG-SH; H_2N-PEG-SH; or combinations thereof.

9. The readily-usable silicone hydrogel contact lens of claim 3, wherein the PEG chains are derived from H_2N-PEG-NH_2; HOOC-PEG-COOH; HS-PEG-SH; H_2N-PEG-COOH; HOOC-PEG-SH; H_2N-PEG-SH; or combinations thereof.
10. The readily-usable silicone hydrogel contact lens of claim 1, wherein the PEG chains are derived from a multi-arm PEG with one or more amino, carboxyl or thiol groups.
11. The readily-usable silicone hydrogel contact lens of claim 2, wherein the PEG chains are derived from a multi-arm PEG with one or more amino, carboxyl or thiol groups.
12. The readily-usable silicone hydrogel contact lens of claim 3, wherein the PEG chains are derived from a multi-arm PEG with one or more amino, carboxyl or thiol groups.
13. The readily-usable silicone hydrogel contact lens of claim 1, wherein the PEG chains are derived from a PEG dendrimer with one or more amino, carboxyl or thiol groups.
14. The readily-usable silicone hydrogel contact lens of claim 2, wherein the PEG chains are derived from a PEG dendrimer with one or more amino, carboxyl or thiol groups.
15. The readily-usable silicone hydrogel contact lens of claim 3, wherein the PEG chains are derived from a PEG dendrimer with one or more amino, carboxyl or thiol groups.
16. The readily-usable silicone hydrogel contact lens of claim 1, the crosslinked hydrophilic coating comprises from 20% to 95% by weight of polymer chains derived an epichlorohydrin-functionalized polyamine or polyamidoamine.
17. The readily-usable silicone hydrogel contact lens of claim 4, the crosslinked hydrophilic coating comprises from 20% to 95% by weight of polymer chains derived an epichlorohydrin-functionalized polyamine or polyamidoamine.
18. The readily-usable silicone hydrogel contact lens of claim 7, the crosslinked hydrophilic coating comprises from 20% to 95% by weight of polymer chains derived an epichlorohydrin-functionalized polyamine or polyamidoamine.
19. The readily-usable silicone hydrogel contact lens of claim 10, the crosslinked hydrophilic coating comprises from 20% to 95% by weight of polymer chains derived an epichlorohydrin-functionalized polyamine or polyamidoamine.
20. The readily-usable silicone hydrogel contact lens of claim 13, the crosslinked hydrophilic coating comprises from 20% to 95% by weight of polymer chains derived an epichlorohydrin-functionalized polyamine or polyamidoamine.