CLAIMS

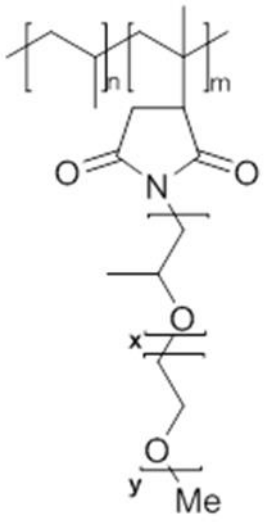
1. A medical device formed from a blend comprising:

a base polymeric formulation comprising at least a polymer or co-polymer of propylene; and

an additive comprising a polypropylene-poly(ethylene oxide)-poly(propylene oxide) amphiphilic graft copolymer (PPMA-*g*-PEO-PPO);

the PPMA-*g*-PEO-PPO being present in the blend in an amount in the range of about 0.01 to about 5.0 % by weight of the blend;

wherein the PPMA-*g*-PEO-PPO is according to Formula (I):



Formula (I)

wherein Me is CH_3; the molar value of m is in the range from 5 to 25 mole percent; and the molar value of n is in the range from 75 to 95 mole percent; the molar value of x is in the range from >0 to 40 propylene oxide units; and the molar value of y is in the range from >0 to 80 ethylene oxide units, and

wherein the medical device is in the form of tubing.

2. The medical device of claim 1, wherein the base polymeric formulation comprises polypropylene, a polyethylene-polypropylene co-polymer, a polypropylene-containing thermoplastic elastomer (TPE), or combinations thereof.

3. The medical device of claim 1, wherein the PPMA-*g*-PEO-PPO is a product of polymerization of a maleated polypropylene and a polymeramine having monoamine functionality.

4. The medical device of claim 1, wherein the PPMA-*g*-PEO-PPO has a weight average molecular weight (Mw) in the range of about 5,000 to about 300,000 g/mol.

5. The medical device of claim 1, wherein the PPMA-*g*-PEO-PPO has a molar ratio of EO:PO of 2:1 or greater.

6. The medical device of claim 1, wherein the PPMA-*g*-PEO-PPO a dispersity index in the range of 1.5 to 9.