CLAIMS

1. An elastomeric composition comprising, per 100 parts by weight of rubber (phr):

~~about~~ 30 to ~~about~~ 50 phr of polybutadiene having a cis-1,4 linkage content of at least 95%;

~~about~~ 40 to ~~about~~ 60 phr of a styrene/butadiene copolymer;

~~about 0~~ 5 to ~~about~~ 20 phr of natural rubber or polyisoprene;

~~about~~ 0 to ~~about~~ 30 phr of a processing oil;

~~about~~ 10 to ~~about~~ 30 phr of a hydrocarbon resin;

~~about~~ 50 to ~~about~~ 75 phr of a filler;

a curative agent;

a silane coupling agent;

an antioxidant; and

~~about~~ 5 to ~~about~~ 40 phr of a propylene-ethylene-diene terpolymer containing from ~~about~~ 2 to ~~about~~ 30 wt% of ethylene and/or C_4-C_{20} α-olefins derived units.

2. The elastomeric composition of claim 1, wherein the propylene-ethylene-diene terpolymer is functionalized with bis-[3-(triethoxysilyl)-propyl]-tetrasulfide.

~~3. The elastomeric composition of claim 1, wherein the filler is a silica-based filler.~~

~~4. The elastomeric composition of claim 1, wherein the filler is a carbon black filler.~~

~~5. The elastomeric composition of claim 1, wherein the filler is blend of a silica based filler and a carbon black filler.~~

~~6.~~3. The elastomeric composition of any preceding claim, wherein the propylene-ethylene-diene terpolymer is present in the amount of ~~about~~ 5 phr to ~~about~~ 25 phr.

~~7. The elastomeric composition of any preceding claim, wherein the propylene-ethylene-diene terpolymer is present in the amount of about 10 phr to about 20 phr.~~

~~8.~~4. The elastomeric composition of any preceding claim, wherein the propylene-ethylene-

diene terpolymer contains from ~~about~~ 0.5 wt% to ~~about~~ 5 wt% ethylidene norbornene based on the terpolymer.

~~9. The elastomeric composition of any preceding claim, wherein the propylene-ethylene-diene terpolymer contains from about 1 wt% to about 5 wt% ethylidene norbornene based on the terpolymer.~~

~~10. The elastomeric composition of any preceding claim, wherein the propylene-ethylene-diene terpolymer contains from about 2 wt% to about 4 wt% ethylidene norbornene based on the terpolymer.~~

~~11.~~5. The elastomeric composition of any preceding claim, wherein the propylene-ethylene-diene terpolymer contains from ~~about~~ 5 wt% to ~~about~~ 25 wt% ethylene based on the terpolymer.

~~12. The elastomeric composition of any preceding claim, wherein the propylene-ethylene-diene terpolymer contains from about 7.5 wt% to about 22.5 wt% ethylene based on the terpolymer.~~

~~13.~~6. The elastomeric composition of any preceding claim, wherein the propylene-ethylene-diene terpolymer contains ~~about~~ 65 wt% to ~~about~~ 95 wt% propylene based on the terpolymer.

~~14. The elastomeric composition of any preceding claim, wherein the propylene-ethylene-diene terpolymer contains about 70 wt% to about 95 wt% propylene based on the terpolymer.~~

~~15. The elastomeric composition of any preceding claim, wherein the propylene-ethylene-diene terpolymer contains about 75 wt% to about 90 wt% propylene based on the terpolymer.~~

~~16.~~7. The elastomeric composition of any preceding claim, wherein the glass transition temperature (Tg) of the propylene-ethylene-diene terpolymer is from ~~about~~ 0ºC to ~~about~~ -60ºC.

~~17.~~8. The elastomeric composition of any preceding claim, wherein the melt flow rate (MFR) at 2.16 kg weight at 230ºC of the propylene-ethylene-diene terpolymer is from ~~about~~ 0.2 to ~~about~~ 10 g/10 min.

~~18. A tire tread composition comprising the elastomeric composition of any preceding claim.~~

~~19. An article comprising the tire tread composition of claim 18.~~

~~20.~~9. A method of making the elastomeric composition of any one of claims ~~1-17~~ 1-8, comprising the steps of:

(a) blending the polybutadiene, the styrene/butadiene copolymer, the natural rubber or polyisoprene, the filler, the processing oil, and the propylene-ethylene diene terpolymer to form a first component at a temperature in the range from ~~about~~ 110ºC to ~~about~~ 200ºC;

(b) blending the curative agent with the first component at a temperature in the range of ~~about~~ less than 110ºC; and

(c) recovering the elastomeric composition.

~~21.~~10. A method of balancing the wet traction performance and rolling resistance in a tire tread comprising the elastomeric composition of any one of claims ~~1-17~~ 1-8, comprising the steps of:

combining at least the filler, the polybutadiene, the styrene/butadiene copolymer, the natural rubber or polyisoprene, and the curative agent with one or more of the propylene-ethylene-diene terpolymers to form the tire tread;

effecting a cure of the components to form a tire tread; and

wherein the level of the propylene-ethylene-diene terpolymer(s) relative to the other components, and its comonomer content, can be varied to improve the balance of wet traction and rolling resistance of a tire tread.