CLAIMS:

~~1. A composition comprising a functionalized olefin-based polymer formed from at least (A) and (B):~~

~~(A) a block composite comprising:~~

~~i) a block copolymer comprising a crystalline propylene-based block and an ethylene/α-olefin block;~~

~~ii) a crystalline propylene-based polymer; and,~~

~~iii) an ethylene/α-olefin polymer; and~~

~~(B) at least one functionalization agent.~~

~~2.~~1. A composition comprising a functionalized olefin-based polymer formed from at least (A) and (B):

(A) a crystalline block composite comprising:

i) a block copolymer comprising a crystalline propylene-based block and an crystalline ethylene-based block;

ii) a crystalline propylene-based polymer; and,

iii) an crystalline ethylene-based polymer; and

(B) at least one functionalization agent.

~~3. The composition of Claim 1 wherein the functionalization agent is selected from silane, maleic anhydride, peroxide, and amine.~~

~~4.~~2. The composition of Claim ~~2~~1, wherein the functionalization agent is selected from silane, maleic anhydride, peroxide, and amine.