

FUNCTIONALIZED BLOCK COMPOSITE AND CRYSTALLINE BLOCK COMPOSITE COMPOSITIONS

ABSTRACT

5 [1] The invention provides functionalized block composites and crystalline block
composites. In particular, the invention provides a functionalized olefin-based polymer formed from
at least (A) and (B): (A) a crystalline block composite comprising: a block copolymer
comprising a propylene-based crystalline block and crystalline ethylene-based block; a
propylene-based crystalline polymer; and, a crystalline ethylene-based polymer; and (B) at least
10 one functionalization agent or a functionalized olefin-based polymer formed from at least (A)
and (B): (A) a crystalline block composite comprising: a block copolymer comprising a
propylene-based crystalline block and crystalline ethylene-based block; a propylene-based
crystalline polymer; and, a crystalline ethylene-based polymer; and (B) at least one
functionalization agent.

15

[No suitable Figure]