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(54) Title: ETHYLENE COPOLYMER COMPOSITIONS AND ARTICLES MADE THEREOF

(57) Abstract: An ethylene copolymer having at least two TREF peaks made from a single catalyst and methods for making same are provided herein. The ethylene copolymer has at least 60 wt% of ethylene derived units and 10-40 wt% of comonomer derived units from one or more C4 to C20 alpha olefins. The ethylene copolymer also has a density in the range of 0.850 g/cc to 0.915 g/cc; MI in the range of 0.1 dg/min to 1000 dg/min; and MIR ($I_{21.6}/I_{2.1}$) in the range of 18 to 100, whereby at least one TREF peak is a major fraction that accounts for at least 90 wt% of the copolymer and at least one TREF peak is a minor fraction that accounts for less than 8 wt% of the copolymer and is found in the range of 60°C to 95°C. The ethylene copolymer has excellent pellet stability with minimal or no anti-blocking agents needed, and can be used in blown film, elastic and auto TPO applications.



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