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(54) Title: ETHYLENE COPOLYMERS WITH IMPROVED MELTING AND GLASS TRANSITION TEMPERATURE

(57) Abstract: The present inventions concerns a copolymer of ethylene and an C3 to C8 alpha-olefin, wherein the copolymer has a density of 870 to 890 kg/m³ measured according to ISO 1183, a MFR₂ of 0.5 to 8.0 g/10min measured according to ISO 1133, wherein the alpha-olefin is present in the copolymer in an amount of 20 to 35 wt.-%, wherein the copolymer has a first melting temperature T_{m1} measured according to ISO 11357-3, characterized in that the first melt point T_{m1} is between 90 and 115 °C.

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