CLAIMS

1. Copolymer of ethylene and an C3 to C8 alpha-olefin, wherein the copolymer has a density of 870 to 890 kg/m^3 measured according to ISO 1183, a MFR_2 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 temperature T_{m1} is between 90 and 110 °C; and wherein the copolymer is obtained by blending a first ethylene copolymer and a second ethylene copolymer, wherein the first ethylene copolymer has a higher density than the second ethylene copolymer.

2. The copolymer according to claim 1, wherein the copolymer is a copolymer of ethylene and octene.

3. The copolymer according to any one of the preceding claims, wherein the copolymer has a MFR_2 of 0.7 to 4.0 g/10min measured according to ISO 1133.

4. The copolymer according to any one of the preceding claims, wherein the copolymer has an MFR_{21} of 25 to 50 g/10min measured according to ISO 1133.

5. The copolymer according to any one of the preceding claims, wherein the copolymer has a ratio MFR_{21}/MFR_2 of 25 to 40 measured according to ISO 1133.

6. The copolymer according to any one of the preceding claims, wherein the copolymer has an Mw/Mn of 2.6 to 3.3 determined by Gel Permeation Chromatography.

7. The copolymer according to any one of the preceding claims, wherein the copolymer has an Mw of 85000 to 100000 g/mol determined by Gel Permeation Chromatography.

8. The copolymer according to any one of the preceding claims, wherein the copolymer has a second melting temperature T_{m2} measured according to

ISO 11357-3, wherein the second melting temperature T_{m2} is between 35 and 55 °C.

9. The copolymer according to any one of the preceding claims, wherein the copolymer has a glass transition temperature T_g of -45 to -60 °C measured according to ISO 6721-7.

10. The copolymer according to any one of the preceding claims, wherein the copolymer has a vinyl content of 3.5 to 6.5 vinyl groups per 100000 carbon atoms measured with ^1H NMR.

11. The copolymer according to any one of the preceding claims, wherein the copolymer has a vinylidene content of 10.0 to 20.0 vinylidene groups per 100000 carbon atoms measured with ^1H NMR.

12. The copolymer according to any one of the preceding claims, wherein the copolymer has a trisubstituted vinylene content of 16.0 to 27.0 trisubstituted vinylene groups per 100000 carbon atoms measured with ^1H NMR.

13. The copolymer according to any one of the preceding claims, wherein the copolymer has a vinylene content of 7.0 to 14.0 vinylene groups per 100000 carbon atoms measured with ^1H NMR.

14. The copolymer according to anyone of the preceding claims , wherein a blending ratio of the first ethylene copolymer to the second ethylene copolymer is from 25:75 to 55:45 wt.%.