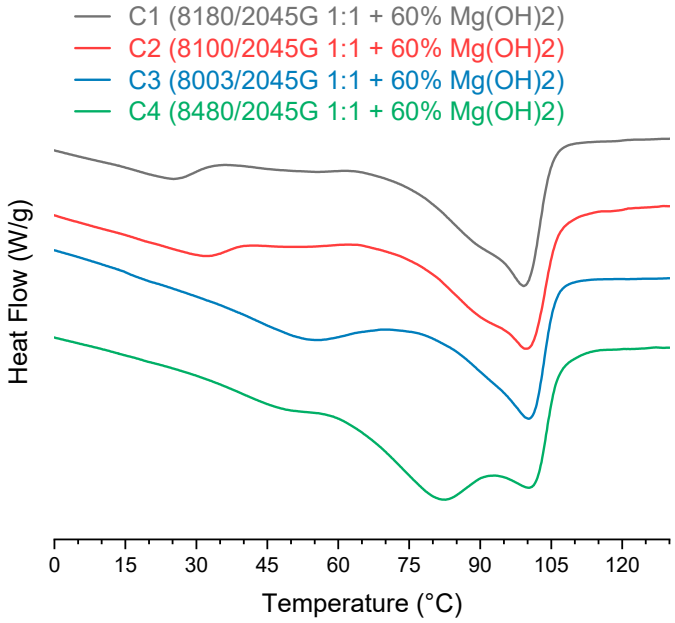


Figure S1. DSC cooling scans of type "C" formulations (C_8-POE/LLDPE/60% MDH compounds with a 1:1 polymer ratio), as in Table 5.

Table S1. Crystallization temperature of C_8-POEs, LLDPE, and C8-POE+LLDPE+n-MDH composites with a 1:1 polymer ratio.

Properties	**Engage 8180**	**C1**	**Engage 8100**	**C2**	**Engage 8003**	**C3**	**Engage 8480**	**C4**	**LLDPE**
$T_{C\,(POE)}$ (°C)	25.9	26.0	32.1	32.7	49.2	55.6	70.0	82.4	-
T_C-T_{POE}	-	+0.1	-	+0.6	-	+6.4	-	+12.4	-
$T_{C\,(LLDPE)}$ (°C)	-	99.5	-	99.9	-	100.2	-	100.4	95.1
T_C-T_{LLDPE}	-	+4.4	-	+4.8	-	+5.1	-	+5.3	-