Supporting information for

Thermal Diffusivity and Conductivity of Polyolefins by Thermal Lens Technique

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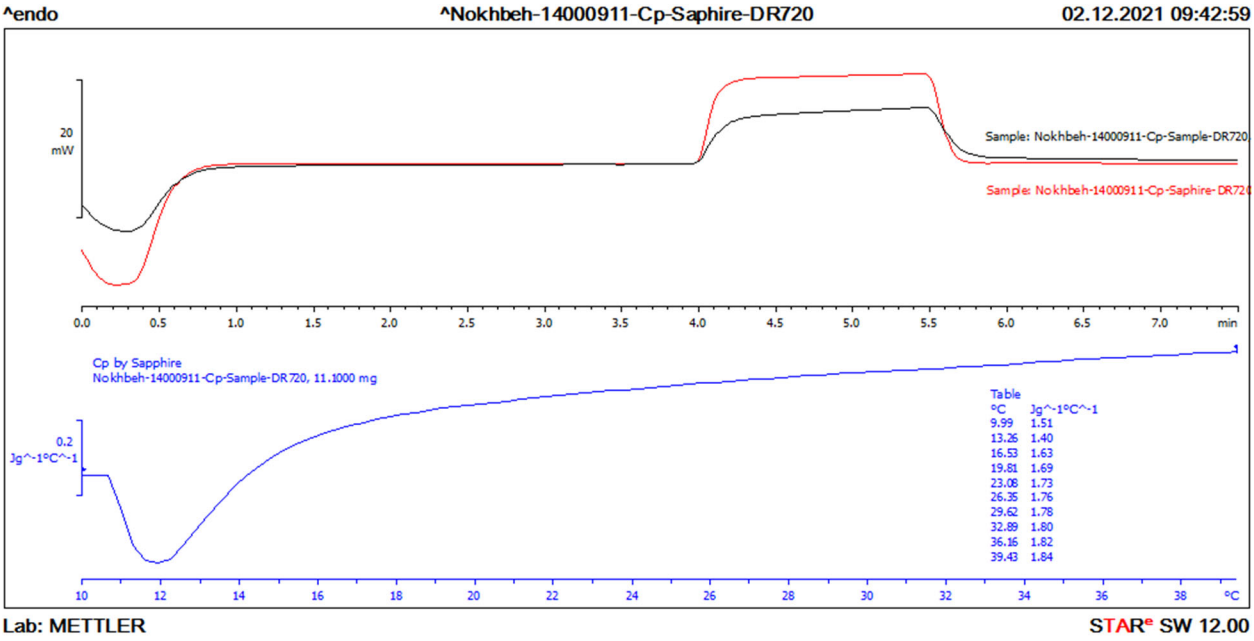

Figure S1: Thermogram for calculation of Cp of HDPE

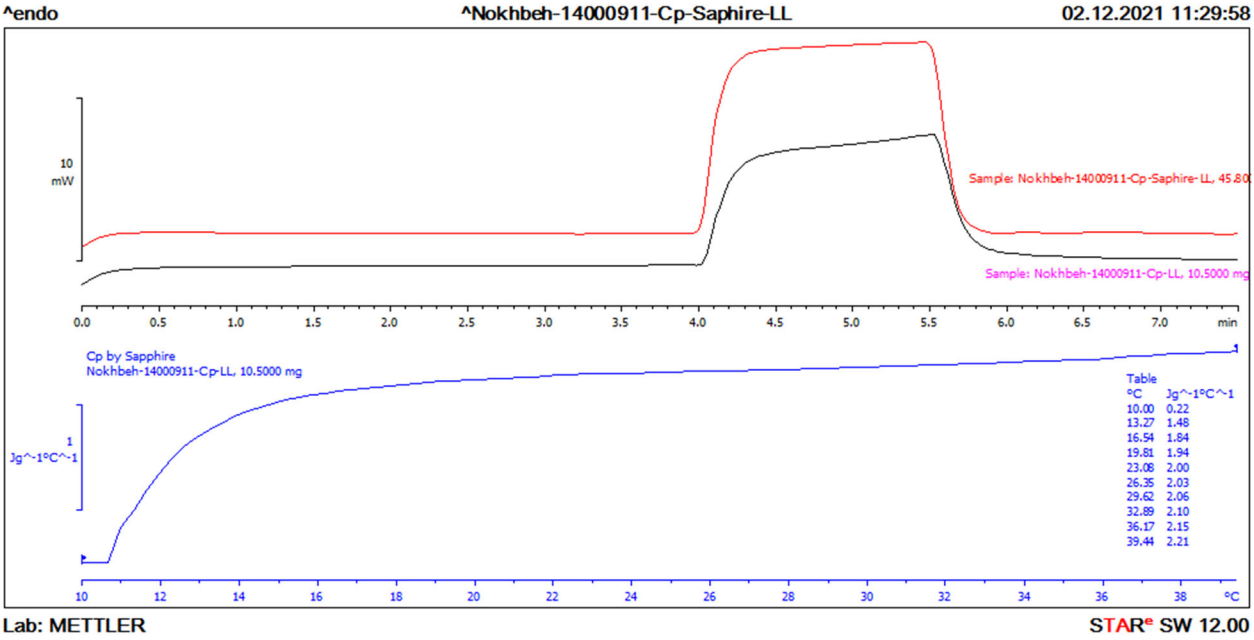

Figure S2: Thermogram for calculation of Cp of LLDPE

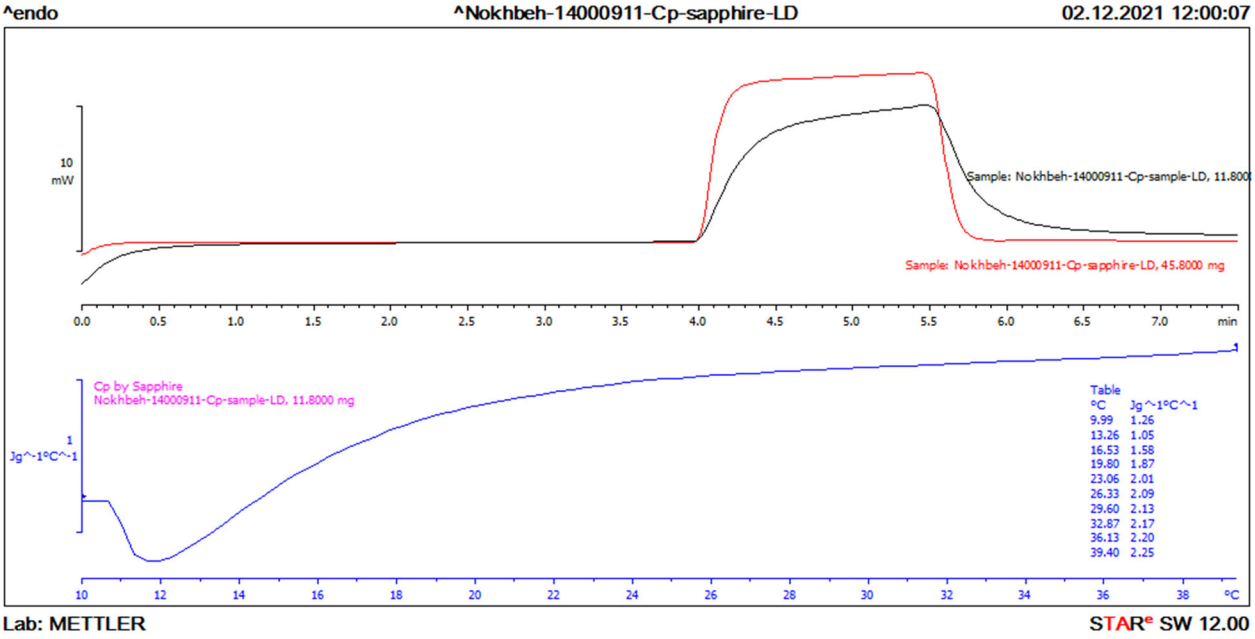

Figure S3: Thermogram for calculation of Cp of LDPE

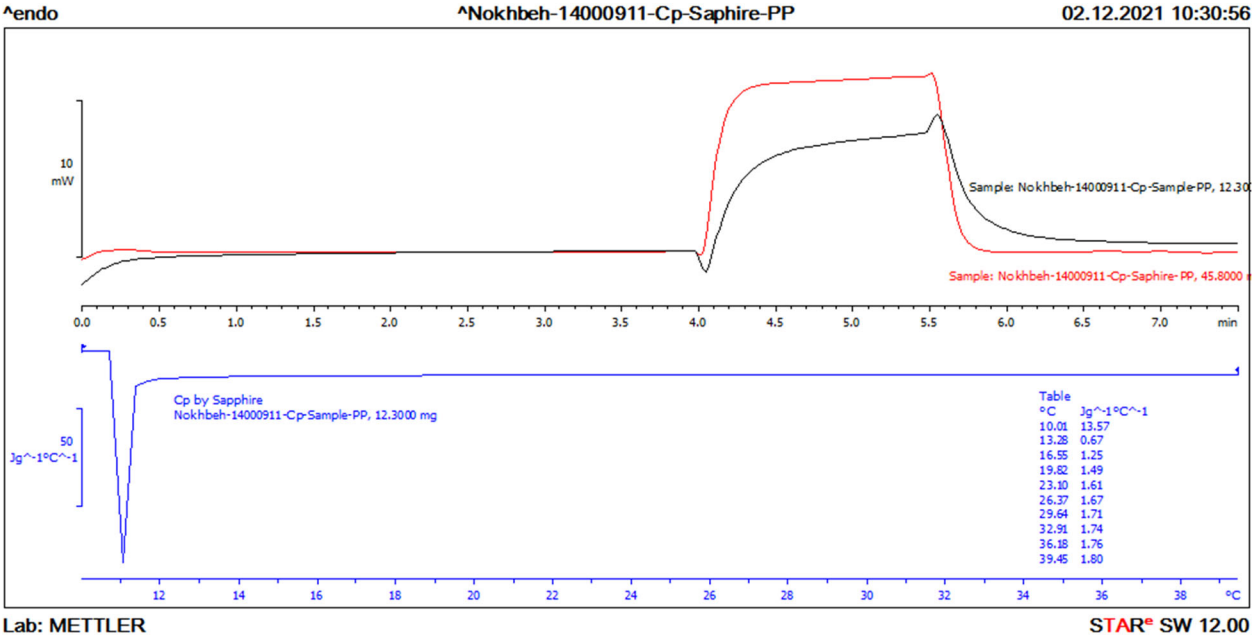

Figure S4: Thermogram for calculation of Cp of PP

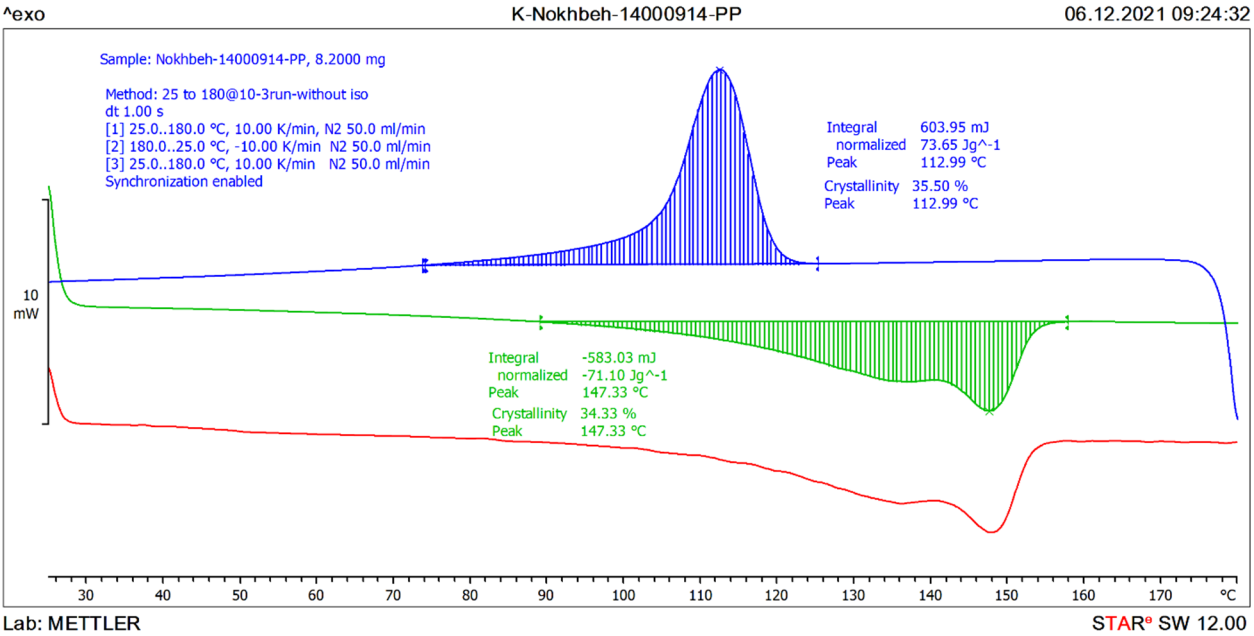

Figure S5: DSC Thermogram for calculation of crystallinity of PP

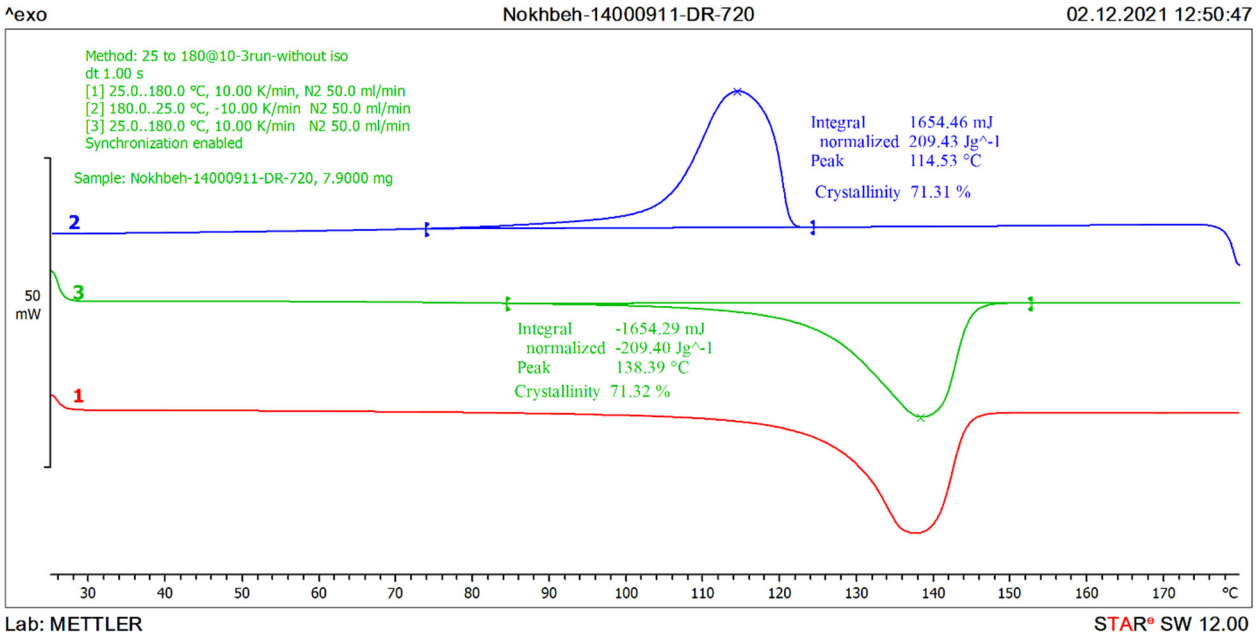

Figure S6: DSC Thermogram for calculation of crystallinity of HDPE

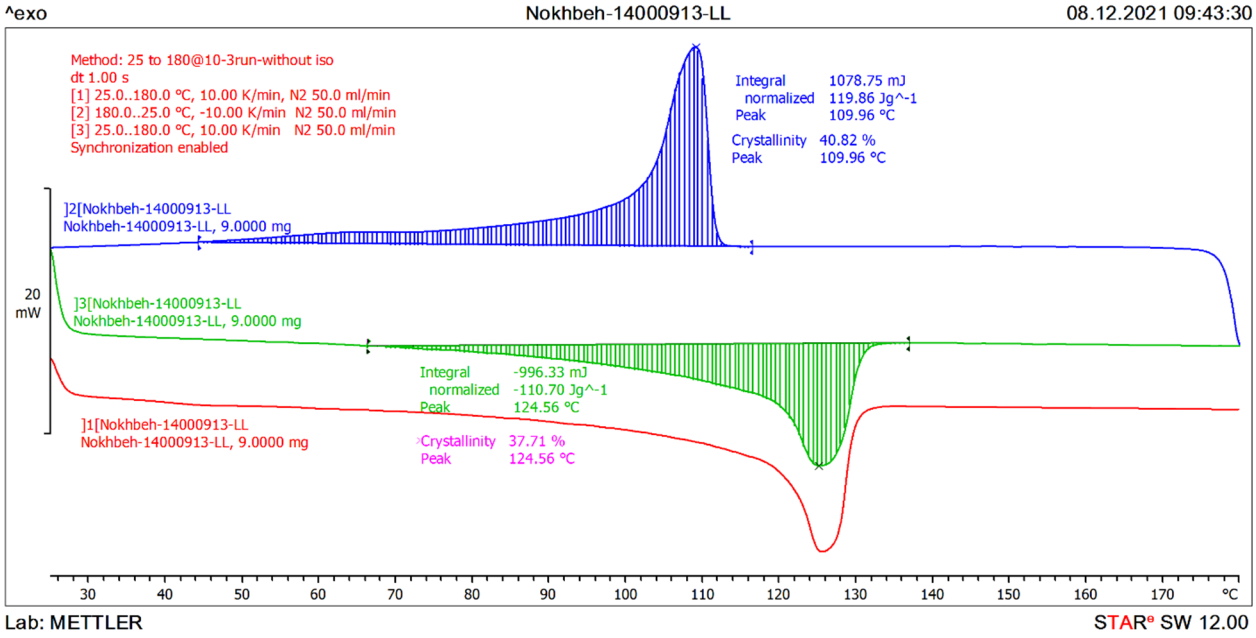

Figure S7: DSC Thermogram for calculation of crystallinity of LLDPE

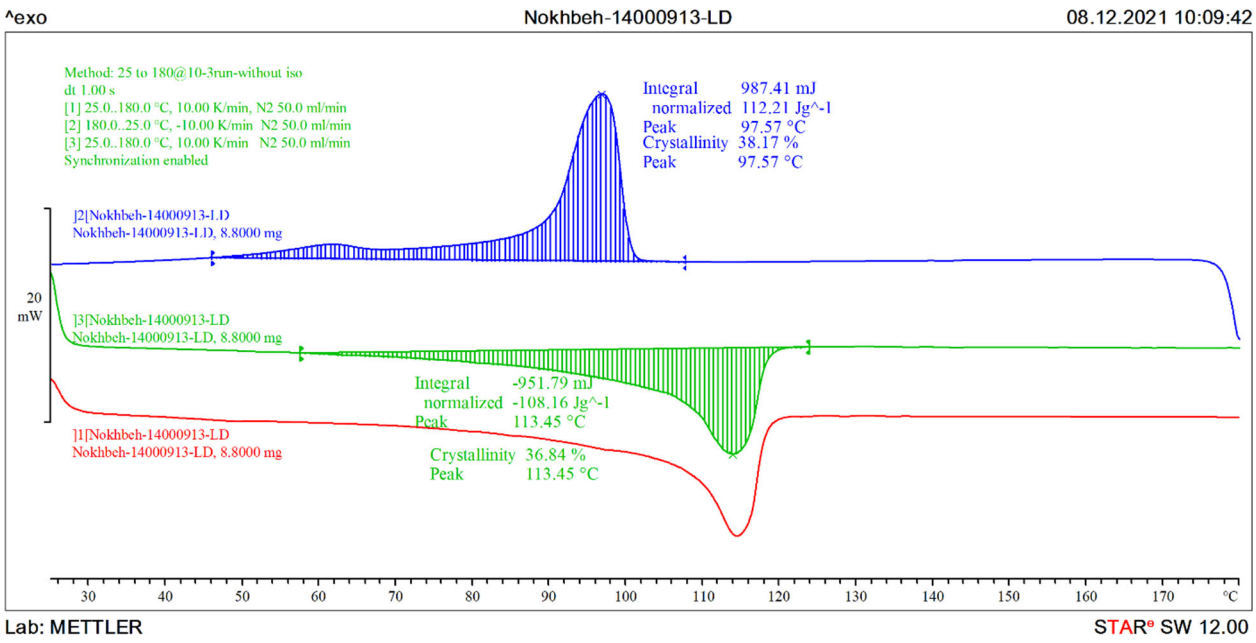

Figure S8: DSC Thermogram for calculation of crystallinity of LDPE

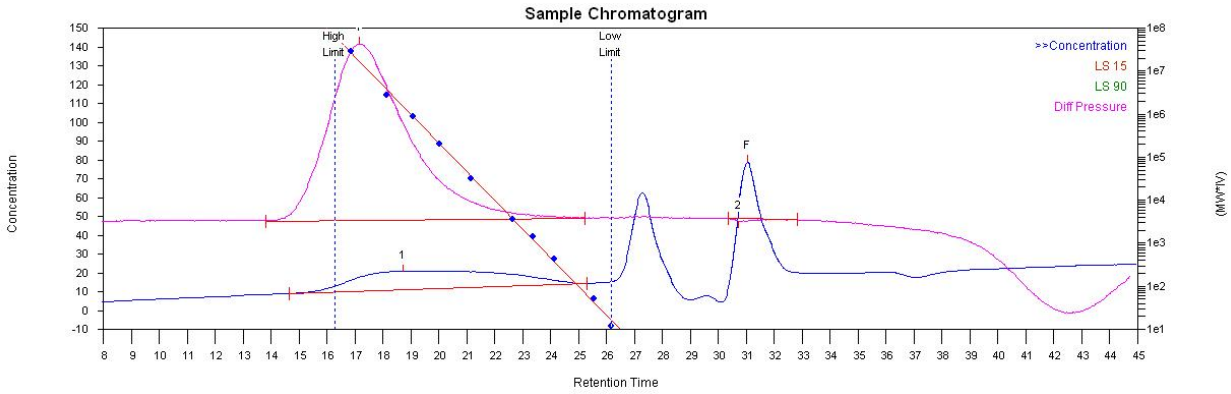

Figure S9: GPC chromatogram of HDPE

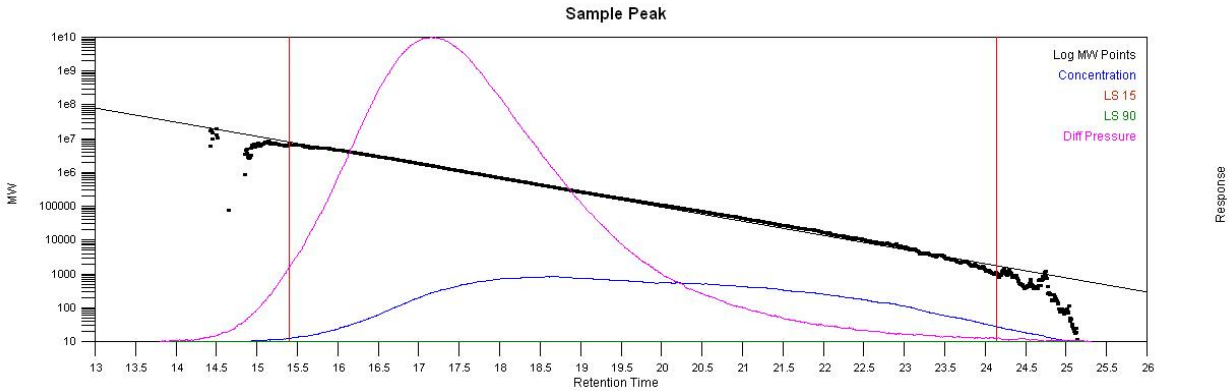

Figure S10: Diagram of log Mw vs Retention Time for HDPE

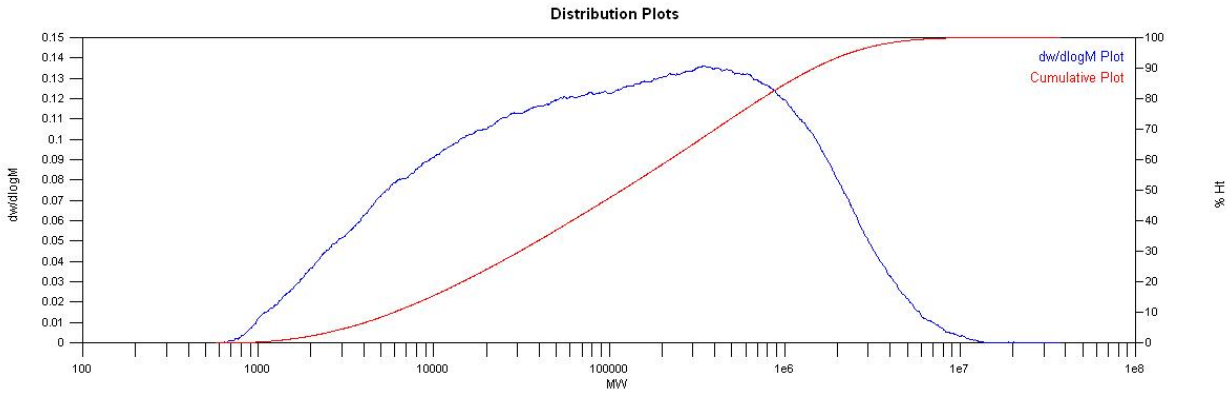

Figure S11: Diagram of dw/dlogM vs log Mw for HDPE

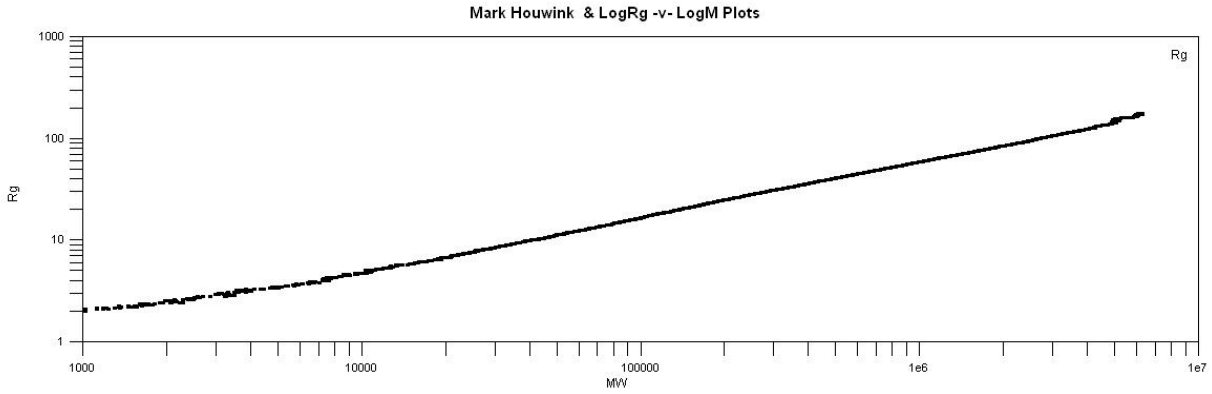

Figure S12: Diagram of Rg vs log Mw for HDPE

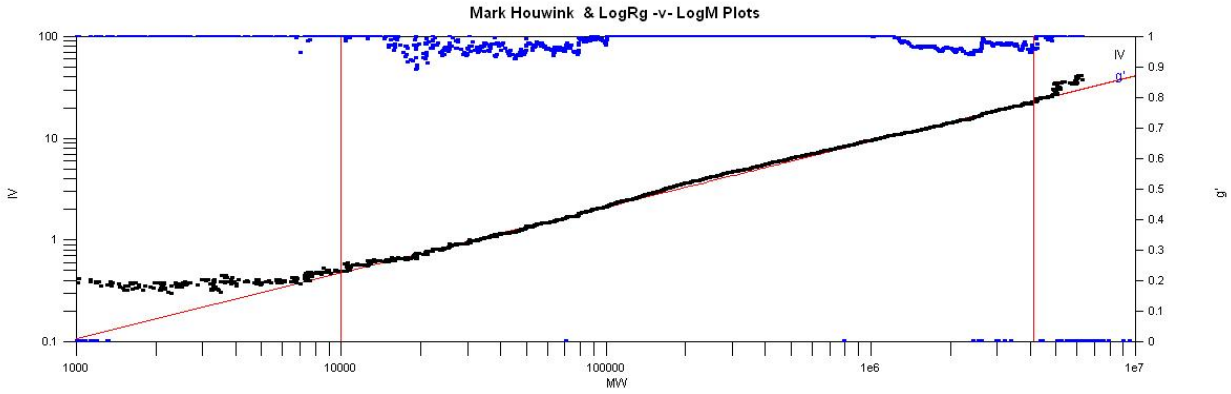

Figure S13: Diagram of IV and g' vs log Mw for HDPE

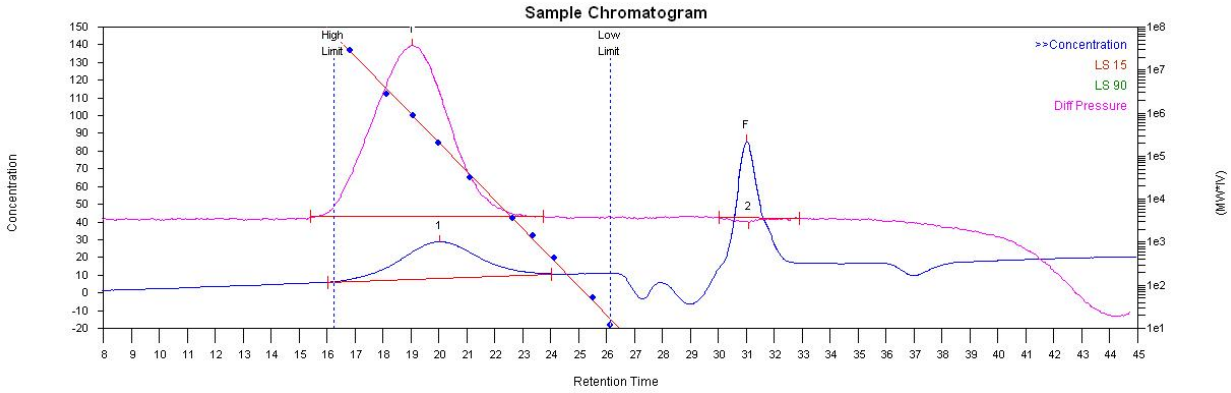

Figure S14: GPC chromatogram of LLDPE

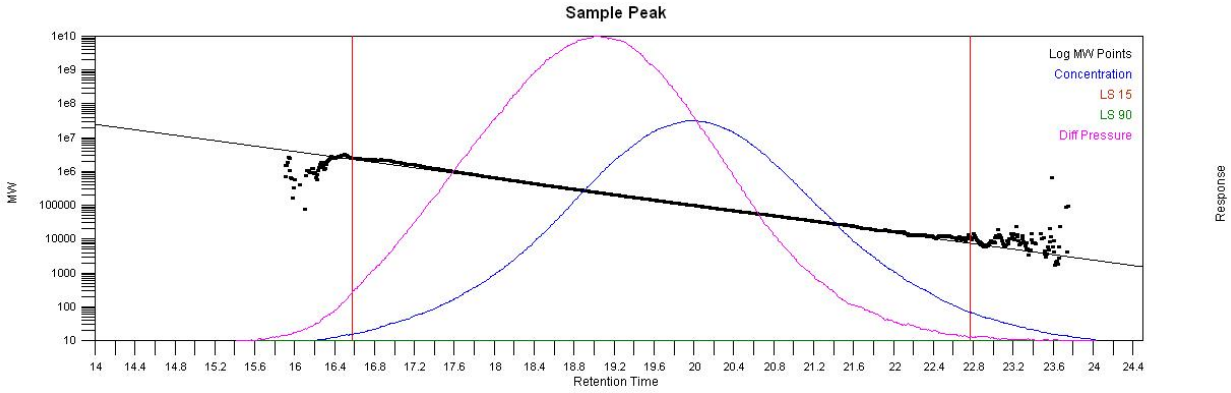

Figure S15: Diagram of log Mw vs Retention Time for LLDPE

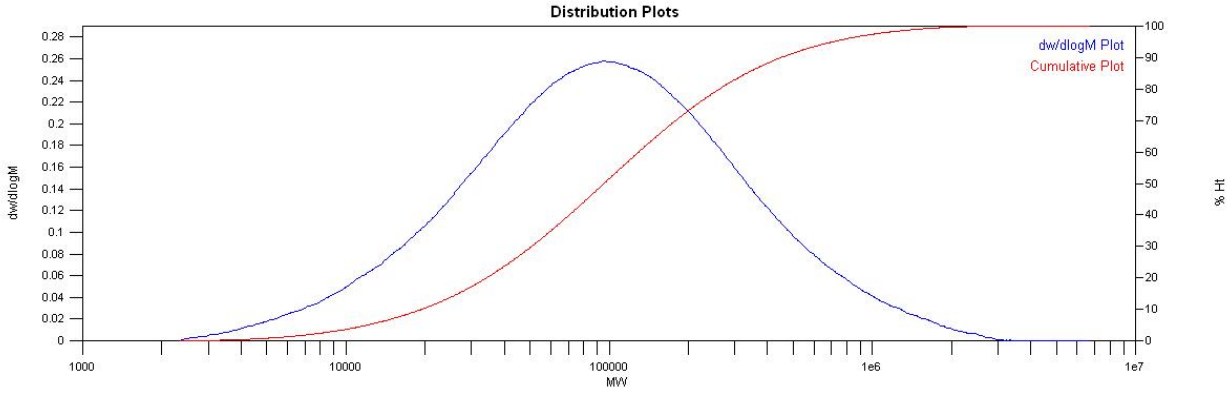

Figure S16: Diagram of dw/dlogM vs log Mw for LLDPE

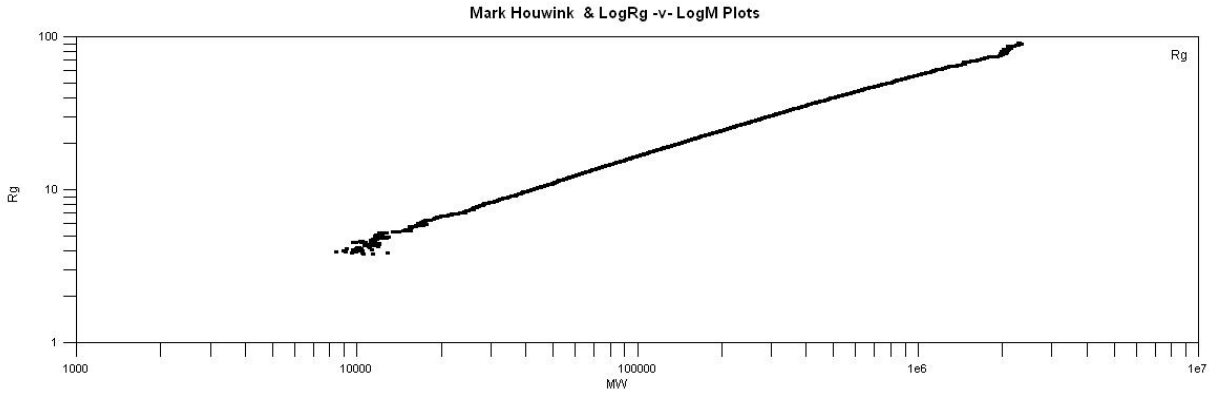

Figure S17: Diagram of Rg vs log Mw for LLDPE

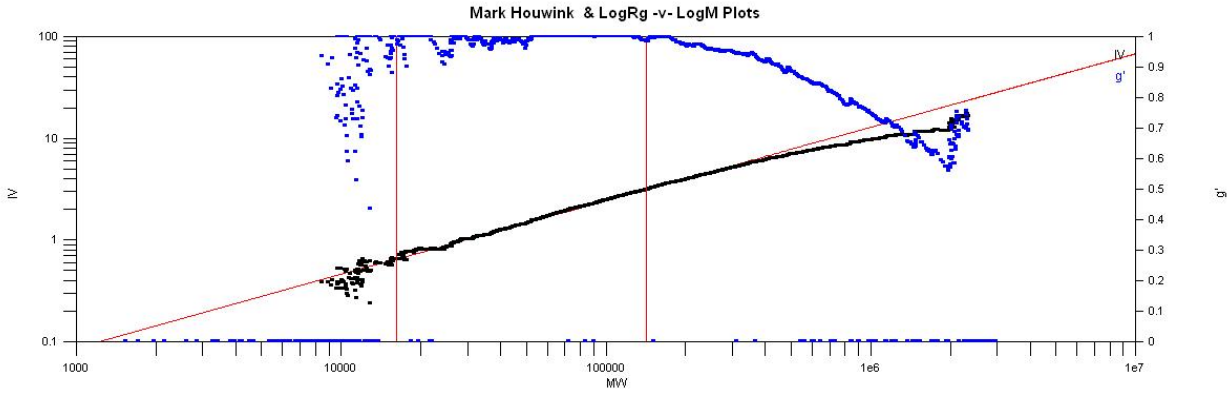

Figure S18: Diagram of IV and g' vs log Mw for LLDPE

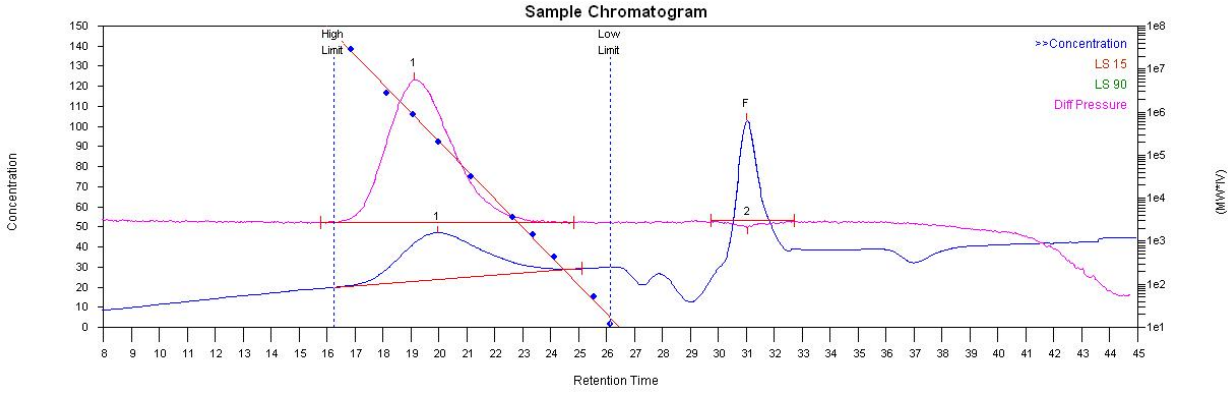

Figure S19: GPC chromatogram of LDPE

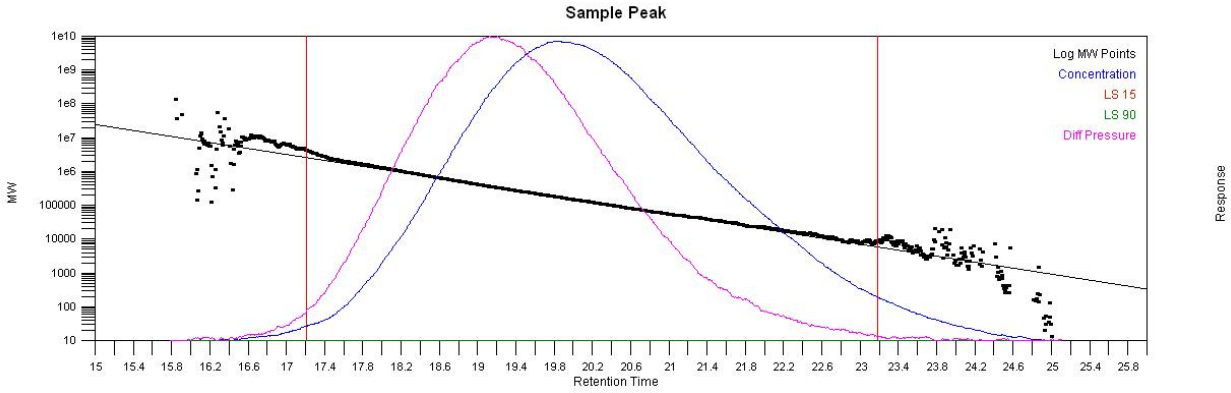

Figure S20: Diagram of log Mw vs Retention Time for LDPE

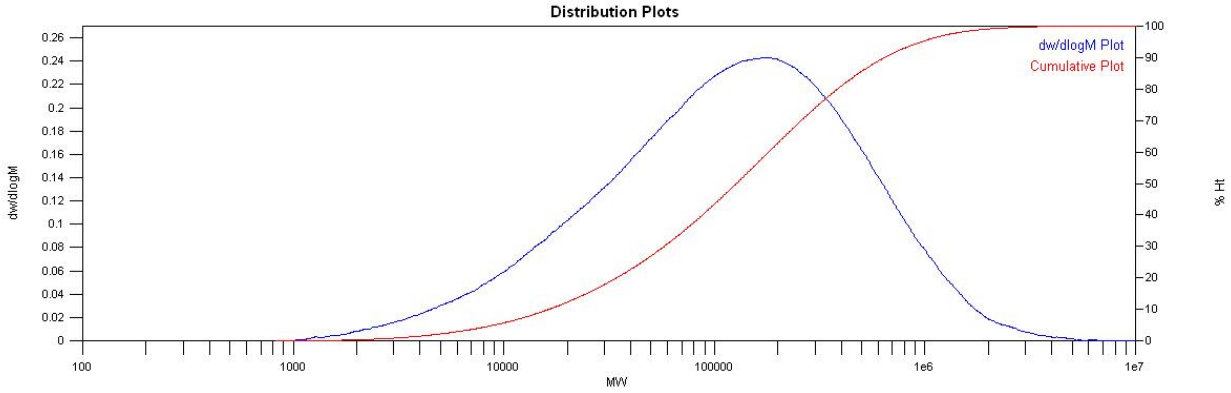

Figure S21: Diagram of dw/dlogM vs log Mw for LDPE

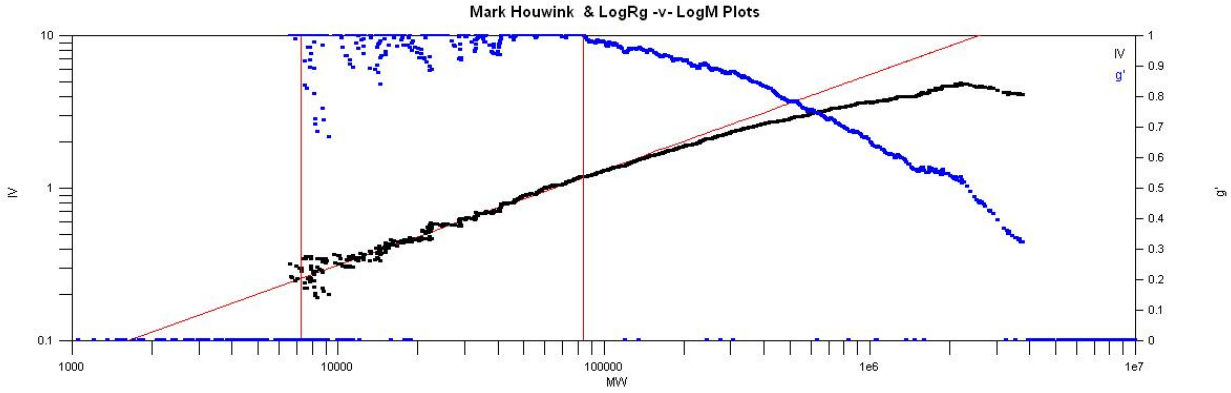

Figure S22: Diagram of IV and g' vs log Mw for LDPE

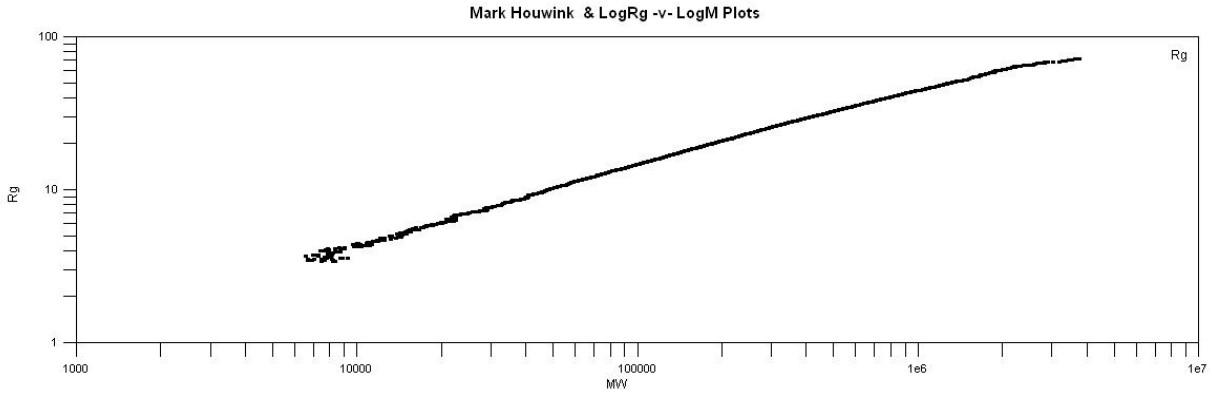

Figure S23: Diagram of Rg vs log Mw for LDPE

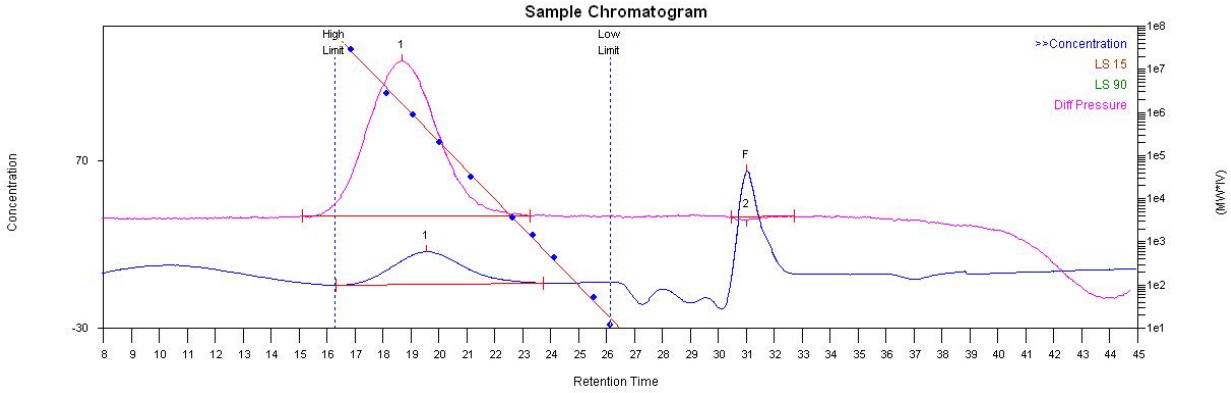

Figure S24: GPC chromatogram of PP

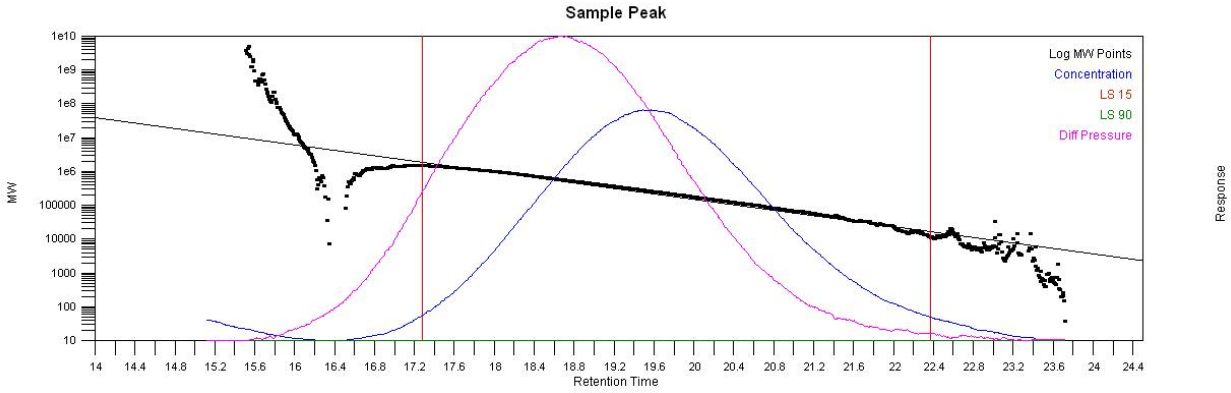

Figure S25: Diagram of log Mw vs Retention Time for PP

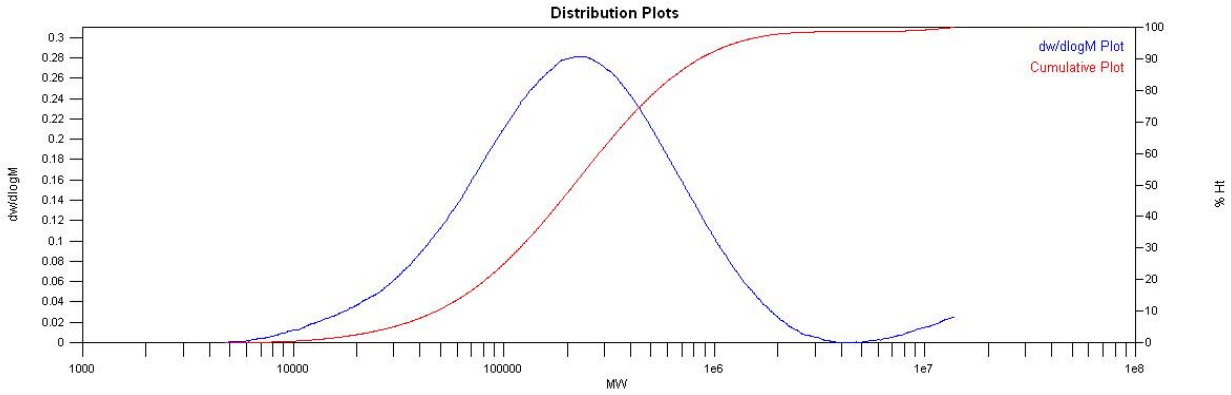

Figure S26: Diagram of dw/dlogM vs log Mw for PP

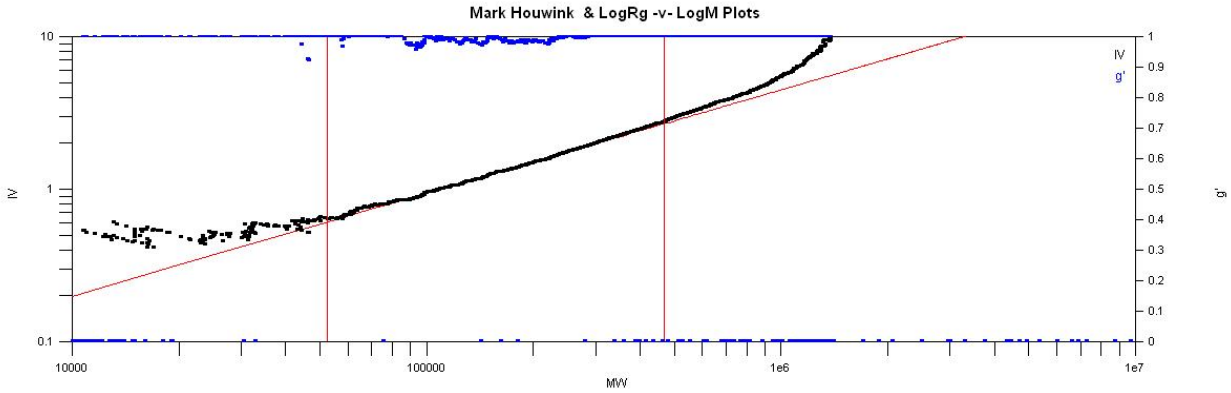

Figure S27: Diagram of IV and g' vs log Mw for PP

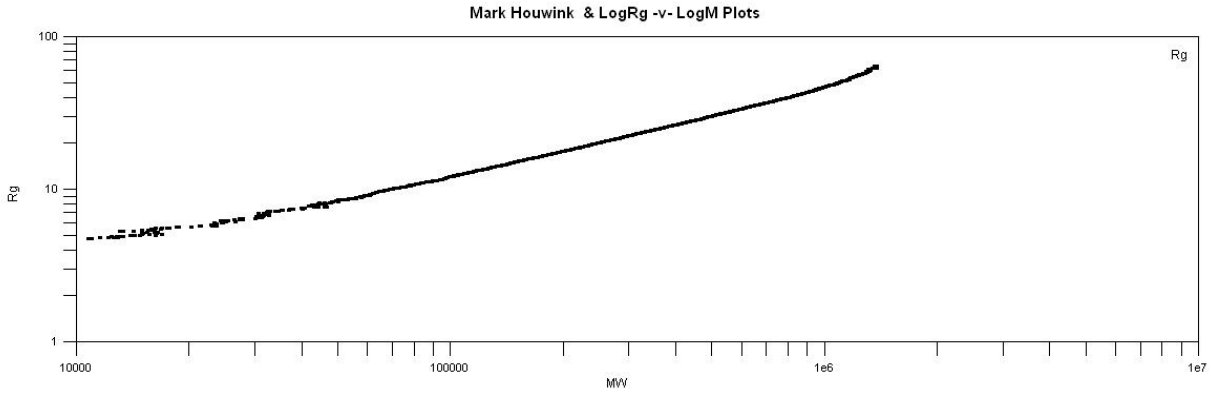

Figure S28: Diagram of Rg vs log Mw for PP

Table S1: Average molecular weight, PDI, weight fraction, and bulk intrinsic viscosity of samples obtained by GPC analysis#

	HDPE	**LLDPE**	**LDPE**	**PP**
M_p	340620	96195	177110	152954
M_n	17667	44710	38573	72129
M_w	497526	190152	254206	289255
M_z	2340348	610487	827577	2047375
M_{z+1}	4419086	1204601	1782909	5379474
Dispersity	28.161	4.253	6.59026	4.01022
1000000-7000000 %	14.67	2.61679	4.29641	2.6503
100000-1000000 %	37.67	45.7568	52.135	58.7505
1000-100000 %	47.22	51.6265	43.5627	38.3098
Bulk Intrinsic Viscosity (dL/g)	4.6645	3.0178	1.5927	2.224