

Date Material High melt strength Polyethylene for films

Temp (C)	G' (dynes/cm2)	G'' (dynes/cm2)	Tan-delta	Eta* (poise)	Torque (gram-cm)	Phase Angle (degrees)
125	6.49E+04	6.15E+04	0.947	8.94E+04	26	43.44
130	6.17E+04	5.90E+04	0.957	8.54E+04	25	43.749
135	5.79E+04	5.67E+04	0.979	8.10E+04	24	44.397
140	5.40E+04	5.43E+04	1.006	7.66E+04	23	45.173
145	5.01E+04	5.19E+04	1.036	7.22E+04	22	46.015
150	4.64E+04	4.96E+04	1.070	6.79E+04	21	46.931
155	4.28E+04	4.73E+04	1.105	6.38E+04	20	47.844
160	3.94E+04	4.50E+04	1.144	5.98E+04	19	48.83
165	3.62E+04	4.29E+04	1.184	5.61E+04	18	49.817
170	3.31E+04	4.07E+04	1.228	5.25E+04	17	50.831
175	3.04E+04	3.87E+04	1.273	4.92E+04	16	51.837
180	2.77E+04	3.66E+04	1.322	4.59E+04	15	52.888
185	2.52E+04	3.45E+04	1.371	4.28E+04	14	53.892
190	2.29E+04	3.26E+04	1.426	3.98E+04	13	54.95
195	2.06E+04	3.06E+04	1.484	3.69E+04	12	56.023
200	1.85E+04	2.86E+04	1.544	3.41E+04	11	57.063
205	1.67E+04	2.67E+04	1.603	3.15E+04	10	58.039
210	1.50E+04	2.49E+04	1.663	2.91E+04	10	58.983
215	1.34E+04	2.32E+04	1.730	2.68E+04	9	59.963

TR 10% 1 rad- HMS Polyethylene for Films

