



## Typical Engineering Properties

Polymer	Specific Gravity	Mold Shrinkage (in/in)	Tensile Strength (PSI)	Flex Modulus (PSI)	Notched Izod Impact (ft-lbs/in)	HDT @ 66 PSI (F)	HDT @ 264 PSI (F)	CTE (Flow)
ABS	1.04	0.003-0.007	6,000	320,000	7	210	170	5.50E-05
ASA	1.07	0.004-0.007	7,500	320,000	5.5	210	200	5.50E-05
CoPolyester	1.17-1.19	0.005-0.007	7,500	310,000	15	200	180	4.20E-05
GPPS	1.04	0.003-0.007	6,500	450,000	0.4	210	190	4.50E-05
HIPS	1.05	0.003-0.007	3,500	310,000	3	190	180	4.50E-05
PA6 (Nylon 6)	1.13	0.009-0.012	12,500	430,000	1.5	350	150	4.50E-05
PA6 30% Glass	1.36	0.002-0.005	25,000	1,200,000	2.5	425	410	1.10E-05
PA66 (Nylon 66)	1.14	0.015-0.020	12,500	430,000	1.5	450	190	4.00E-05
PA66 Super Tough	1.08	0.016-0.021	7,500	250,000	16	425	140	7.00E-05
PA66 30% Glass	1.36	0.002-0.004	27,000	1,250,000	2.5	480	460	6.00E-06
PC	1.2	0.005-0.007	9,000	350,000	15	280	260	3.90E-05
PC/ABS	1.08-1.22	0.005-0.007	7,500	330,000	10	260	220	4.00E-05
PE-HDPE	0.940-0.965	0.025-0.035	4,000	200,000	2	170	NA	7.00E-05
PE-LDPE	0.915-0.935	0.015-0.026	1,700	45,000	10	100	NA	NA
PE-LLPDE	0.915-0.930	0.015-0.035	2,000	55,000	10	130	NA	NA
PMMA (Acrylic)	1.19	0.004-0.007	10,000	480,000	0.4	200	190	4.00E-05
POM (Acetal)	1.41	0.018-0.025	9,000	380,000	3	315	215	6.50E-05
PP-Homopolymer	0.9	0.010-0.025	4,500	200,000	1	210	130	5.00E-05
PP-Co Impact	0.9	0.010-0.025	2,600	120,000	NB	190	120	5.00E-05
PP 30% Glass	1.13	0.003-0.008	13,500	1,000,000	1.5	320	300	2.20E-05
SAN	1.06	0.002-0.005	9,500	450,000	0.4	210	190	2.90E-05