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Material	Glass fiber % by wt.	Flexural strength psi x 1M	Flexural modulus psi x 100M	Tensile strength psi x 1M	Tensile modulus psi x 100M	Impact strength - Izod notch Ft.-lb./in.	Heat distortion F @265 psi	Thermal expansion in./in. F1000M	Specific Gravity	Density lb./in. cu.
REINFORCED										
*Azdel™ P-100 Series	40	24	8	14	7.5	14	310	15	1.19	.043
Polypropylene	20-40	7-11	3.5-8.2	5.5-10.5	4.5-9	1-4	230-300	16-24	1.04-1.22	-
Nylon-stampable steel	33	32	14	19	14	5.7	432	15	1.58	.057
Nylon	6-60	7-50	2-26	13.33	2-20	0.8-4.5	300-500	11-21	1.47-1.7	.049
*Sheet molding compound (SMC)	15-30	18-30	14-20	8-20	16-25	8-22	400-500	8-12	1.7-2.1	.061-.075
*Bulk molding compound (BMC)	15-35	10-20	14-20	4-10	16-25	2-10	400-500	8-12	1.8-2.1	.065-.075
Thermosplastic polyester	20-35	19-29	8.7-15	14-19	13-15.5	1.0-2.7	380-470	24-33	1.45-1.61	-
Polycarbonate Lexan™	20-40	17-30	7.5-15	12-25	7.5-17	1.5-3.5	285-300	12-18	1.34-1.52	-
Polyethylene	10-40	7-12	2.1-6	6.1-11	4-9	1.2-4.0	150-200	17-27	1.16-1.28	-
High Glass Content SMC	65	28	26	33	n/a	35	+575	12	1.85	.068
*Undirectional reinforced (physical properties in direction of fibers)	72-76	240	62-70	100	5.5-5.8	n/a	400-575	12	2.1	.075
UNREINFORCED										
ABS (high heat)	-	9	3-4	6.6	2.8-4.1	2.5	215-245	41-52	1.05	-
Nylon	-	5-18	2.4	9	2-5	1-4	120-150	55-63	1.12-1.14	.039-.041
Polycarbonate Lexan™	-	13	3	9-11	3.5	16	265-290	39	1.2	.043
Polyethylene (high density)	-	-	0.7-2.6	4	0.5-1.5	0.6-20.0	100-130	6	0.95	-
Polypropylene	-	5-8	1.2-2.7	3-5	1.2	0.5-20.0	125-140	38	0.9	-
Valox	-	12	3.4	7.5	n/a	1.0	130	4.5	1.31	0.47

METALS

Low carbon steel	-	28	300	29-33	300	n/a	n/a	6-8	7.8	0.28
Stainless steel	-	30-35	280	30-35	280	8.5-11.0	n/a	9-10	7.92	0.29
Aluminum, wrought	-	20	100	6-27	100	n/a	n/a	12-13	2.6-2.8	.10
Aluminum, die cast	-	8-26	100	8-26	100	n/a	n/a	12-13	2.57- 2.96	.09