Compounds/Custom Molded Parts

Typical Properties	Test Method	Units	14100	14200	18600	20000	24500	270FRII	30000	42000	43000	44500	46000	48600	54500
Compound Type	--	--	BMC	BMC	BMC	BMC	BMC	BMC	BMC	SMC	SMC	SMC	SMC	SMC	SMC
Water Absorption	D570	%	0.10	0.16	0.11	0.10	0.29	0.23	0.07	0.18	0.20	0.27	0.15	0.24	0.25
Specific Gravity	--	--	1.89	1.85	1.86	1.95	1.77	1.75	1.70	1.75	1.78	1.62	1.80	1.58	1.70
UL94 Flame Class E-27872	UL	Class	94V-0	94V-0	--	94V-0	--	94V-0	--	94V-0	--	--	--	--	--
Temperature Rating	--	oC	130	130	180	130	130	130	130	130	130	130	130	180	130
Tensile Strength	D638	PSI	6,000	6,000	6,300	6,500	6,900	8,500	8,000	10,000	10,000	15,000	12,000	13,000	18,500
Flexural Strength	D790	PSI	12,500	20,000	14,000	15,000	23,000	17,000	15,000	25,000	25,000	45,000	30,000	25,000	36,000
Compressive Strength	D695	PSI	13,000	14,000	15,000	13,000	21,000	19,000	15,000	28,000	15,000	18,000	28,000	15,000	21,000
Impact Strength, Izod, Edgewise	D256	ft. lbs/ in notch	3.5	8.0	4.0	4.0	10-12	12.0	6-8	18.5	15.0	20.0	18.5	20.0	24.0
Arc Resistance	D495	Seconds	192	194	188	190	187	185	180	180	140	185	140	100	185
Track Resistance	D2303	Minutes	600	600	--	600	--	300	--	600	--	--	--	--	--
Dielectric Strength, _ Short Time	D149	VPM in oil	400	400	400	400	390	375	400	425	380	501	400	435	500
Dielectric Constant @ 60 Hz	D150	--	0.050	--	0.085	0.055	--	0.046	--	0.044	0.046	--	0.049	--	--
Dissipation Factor @ 60 Hz	D150	--	0.033	--	0.067	0.029	--	0.010	--	0.010	0.003	--	0.006	--	--
Glass Content for Data Shown	--	%	15	15	15	15	20	--	15	22	22	30	30	30	35
Range of Glass Content Available	--	%	5-35	10-25	5-35	5-35	5-35	--	5-25	15-35	15-35	15-40	30	15-35	35-40
Mold Shrinkage in/in	--	Inch	.0005-.0010	0.0010	0.0022	0.0025	--	0.0012	0.0020	0.0010	0.0015	--	0.0007	0.0010	0.0025