Item		Test method	Unit	E7006L	E7008
Filler				Glass fiber	Glass fiber
Standard molding temperature			°C	320	320
Specific gravity		ASTM D792		1.64	1.71
Water absorption coefficient		ASTM D570	%	0.02	0.02
Mold shrinkage rate	MD	Sumitomo Chemical method	%	0.14	0.17
	TD		%	0.79	1.05
Tensile strength		ASTM D638	MPa	133	127
Elongation at break			%	4.5	4.2
Flexural strength	23 °C	ASTM D790	MPa	140	138
	200 °C		MPa	21	24
Flexural modulus	23 °C	ASTM D790	MPa	11200	11300
	200 °C		MPa	3140	3230
Izod impact strength	6.4t notched	ASTM D256	J/m	78	56
	6.4t without notched		J/m	255	275
Shear strength		ASTM D732	MPa	48	49
Poisson's ratio		ASTM D785		0.45	0.42
Rockwell hardness		ASTM D785	R scale	107	107
DTUL		ASTM D648	°C	242	242
Soldering resistance		Sumitomo Chemical method	°C	275	275
Linear expansion coefficient (150 °C)	MD	Sumitomo Chemical method	$\times10^{-5}$/%	0.8	0.8
	TD		$\times10^{-5}$/%	8.4	7.8
Limiting oxygen index		JIS K7201		49	49
Flame retardancy	flame class	UL94		V-0	V-0
	color			NC,BK	NC,BK
	thickness		mmt	0.38	0.38
Thermal conductivity		JIS R2618	W/mk	0.55	0.56
			kcal/mhr°C	0.47	0.48
Dielectric constant	(10^3Hz)	ASTM D150		4.6	4.7
	(10^6Hz)			3.9	4.1
	(10^9Hz)			-	-
Dielectric tangent	(10^3Hz)			0.026	0.024
	(10^6Hz)			0.032	0.03
	(10^9Hz)			-	-
Specific volume resistance		ASTM D257	Ωm	10^{13}	10^{13}
Arc resistance		ASTM D495	sec	125	125
Tracking resistance		IEC method	V	155	155

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