Property	Test Condition	Test Method ISO	Units	Nylon66/Unreinforced	
				Standard	
				CM3001-N	
				>PA66<	
				Dry	2.5%water
Physical property					
Water Absorption	24hrs. in 23℃ water	ISO62	%	1.2	-
Water Absorption	23℃ in water	ISO62	%	8	-
Density	23℃	ISO1183	kg/m^3	1140	-
Mechanical property					
Tensile strength	-40℃	ISO527-1,2	MPa	115	110
Tensile strength	23℃	ISO527-1,2	MPa	80	50
Tensile strength	80℃	ISO527-1,2	MPa	40	40
Elongation at Yield	23℃	ISO527-1,2	%	1.5	-
Elongation at Break	23℃	ISO527-1,2	%	25	50
Flexural Strength	-40℃	ISO178	MPa	140	125
Flexural Strength	23℃	ISO178	MPa	115	65
Flexural Strength	80℃	ISO178	MPa	65	40
Flexural Modulus	-40℃	ISO178	GPa	4.3	4.1
Flexural Modulus	23℃	ISO178	GPa	2.8	1.4
Flexural Modulus	80℃	ISO178	GPa	0.9	0.5
Compressive Strength	23℃	ISO604	MPa	90	-
Coefficient of friction（Without lubrication）	Vs metal	Suzuki Method	-	0.15～0.2	-
Shear Strength	23℃	ASTM D732	MPa	80	75
Rockwell Hardness	23℃	ISO2039-2	R Scale	119	100
Rockwell Hardness	80℃	ISO2039-2	R Scale	97	-
Taper Abrasion		ISO9352	mg/1000times	8	-
Charpy Impact Strength（V-notched）	-40℃	ISO179	kJ/m^2	2.5	-
Charpy Impact Strength（V-notched）	23℃	ISO179	kJ/m^2	4	23.5
Charpy Impact Strength（Unnotched）	-40℃	ISO179	kJ/m^2	破断せず	-
Charpy Impact Strength（Unnotched）	23℃	ISO179	kJ/m^2	破断せず	-
Heat property					
Melting Point		DSC Method	℃	265	-
Specific Heat		-	J/g・℃	2.1	-
Thermal Conductivity		-	W/m・℃	0.32	-
Coef of Linear Thermal Expansion		ISO11359-2	$\times10^{-5}$/℃	9～10	-
Heat Deflection Temp Low Load	0.45MPa	ISO75-1,2	℃	220	-
Flammability		UL94	rank/thickness mmt	V-2(1/64")	V-2(1/64")
Electrical property					
Volume Resistivity		IEC60093	Ω・m	10^{12}～10^{13}	10^{10}～10^{11}
Dielectric Strength		IEC60243-1	MV/m	18	-
Dielectric Constant	23℃、60%RH、50Hz	IEC 60250	-	4	7.5
Dielectric Constant	23℃、60%RH、1KHz	IEC 60250	-	3.9	6.5
Dielectric Constant	23℃、60%RH、1MHz	IEC 60250	-	3.3	3.8
Dissipation Factor	23℃、60%RH、50Hz	IEC 60250	-	0.03	0.06
Dissipation Factor	23℃、60%RH、1KHz	IEC 60250	-	0.03	0.06
Dissipation Factor	23℃、60%RH、1MHz	IEC 60250	-	0.02	0.07
IEC Tracking Index(CTI)		UL-746B	-	600	-
Arc resistance	Tungsten Electrode	UL-746A	sec.	130	-
Molding property					
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%	1.5～2.2	-
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%		-
Mold shrinkage(Machine Direction)	80×80×1mmt	Toray Method	%	0.8～1.5	

These values are typical data for this product under specific test conditions and not intended for use as limiting specifications.