

Property	Test Condition	Test Method ISO	Units	Nylon66/Reinforced	
				GF35%/Calcium chloride resistance/Heat stability	
				CM3216G35UB1	
				>PA66/PA610-GF35<	
				Dry	
Physical property					
Content of filler		-	wt%	35	
Water Absorption	24hrs. in 23℃ water	ISO62	%	0.4	
Water Absorption	23℃ in water	ISO62	%	3	
Water Absorption	24hrs. in 23℃ water	ASTM D570	%	0.4	
Water Absorption	23℃×50% RH in water		%	1.1	
Density	23℃	ISO1183	kg/m ³	1360	
Mechanical property					
Tensile strength	-40℃	ISO527-1,2	MPa	280	
Tensile strength	23℃	ISO527-1,2	MPa	195	
Tensile strength	80℃	ISO527-1,2	MPa	120	
Elongation at Break	-40℃	ISO527-1,2	%	3	
Elongation at Break	23℃	ISO527-1,2	%	3	
Elongation at Break	80℃	ISO527-1,2	%	5	
Flexural Strength	-40℃	ISO178	MPa	370	
Flexural Strength	23℃	ISO178	MPa	290	
Flexural Strength	80℃	ISO178	MPa	160	
Flexural Modulus	-40℃	ISO178	GPa	11	
Flexural Modulus	23℃	ISO178	GPa	9.5	
Flexural Modulus	80℃	ISO178	GPa	4.8	
Rockwell Hardness	23℃	ISO2039-2	R Scale	R120,M93	
Charpy Impact Strength (V-notched)	-40℃	ISO179	kJ/m ²	10	
Charpy Impact Strength (V-notched)	23℃	ISO179	kJ/m ²	13.5	
Charpy Impact Strength (Unnotched)	-40℃	ISO179	kJ/m ²	89	
Charpy Impact Strength (Unnotched)	23℃	ISO179	kJ/m ²	94.5	
Heat property					
Melting Point		DSC Method	℃	265	
Thermal Conductivity		-	W/m · ℃	0.42	
Coef of Linear Thermal Expansion		ISO11359-2	×10 ⁻⁵ /℃	2~3	
Heat Deflection Temp Low Load	0.45MPa	ISO75-1,2	℃	228	
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	℃	225	
Flammability		UL94	rank/thickness m mt	HB (1/16") 相当	
Electrical property					
Volume Resistivity		IEC60093	Ω · m	1.013x10 ³	
Molding property					
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%	0.2~0.4	
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%	0.5~0.8	

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

