

Property	Test Condition	Test Method ISO	Units	Nylon610
				Weather Resistance, Specially Modified
				CM2402
				>PA610<
				Dry
Physical property				
Water Absorption	24hrs. in 23℃ water	ISO 62	%	-
Water Absorption	23℃ in water	ISO 62	%	
Density	23℃	ISO 1183	kg/m ³	1080
Mechanical property				
Tensile strength	-40℃	ISO 527-1,2	MPa	-
Tensile strength	23℃	ISO 527-1,2	MPa	60
Tensile strength	80℃	ISO 527-1,2	MPa	-
Elongation at Yield	23℃	ISO 527-1,2	%	-
Elongation at Break	23℃	ISO 527-1,2	%	50
Flexural Strength	-40℃	ISO 178	MPa	-
Flexural Strength	23℃	ISO 178	MPa	80
Flexural Strength	80℃	ISO 178	MPa	-
Flexural Modulus	-40℃	ISO 178	GPa	-
Flexural Modulus	23℃	ISO 178	GPa	2
Flexural Modulus	80℃	ISO 178	GPa	-
Compressive Strength	23℃	ISO 604	MPa	-
Coefficient of friction (Without lubrication)	Vs metal	Suzuki Method	-	-
Shear Strength	23℃	ASTM D732	MPa	-
Rockwell Hardness	23℃	ISO 2039-2	R Scale	-
Rockwell Hardness	80℃	ISO 2039-2	R Scale	-
Taper Abrasion		ISO 9352	mg/1000times	-
Charpy Impact Strength (V-notched)	-40℃	ISO 179	kJ/m ²	-
Charpy Impact Strength (V-notched)	23℃	ISO 179	kJ/m ²	-
Charpy Impact Strength (Unnotched)	-40℃	ISO 179	kJ/m ²	-
Charpy Impact Strength (Unnotched)	23℃	ISO 179	kJ/m ²	-
Heat property				
Melting Point		DSC Method	℃	220
Specific Heat		-	J/g · ℃	-
Thermal Conductivity		-	W/m · ℃	-
Coef of Linear Thermal Expansion		ISO 11359-2	×10 ⁻⁵ /℃	-
Heat Deflection Temp Low Load	0.45MPa	ISO 75-1,2	℃	-
Flammability		UL94	rank/thickness m mt	-
Electrical property				
Volume Resistivity		IEC 60093	Ω · m	-
Dielectric Strength		IEC 60243-1	MV/m	-
Dielectric Constant	23℃、60% RH、50Hz	IEC 60250	-	-
Dielectric Constant	23℃、60% RH、1KHz	IEC 60250	-	-
Dielectric Constant	23℃、60% RH、1MHz	IEC 60250	-	-
Dissipation Factor	23℃、60% RH、50Hz	IEC 60250	-	-
Dissipation Factor	23℃、60% RH、1KHz	IEC 60250	-	-
Dissipation Factor	23℃、60% RH、1MHz	IEC 60250	-	-
IEC Tracking Index(CTI)		UL-746B	-	-
Arc resistance	Tungsten Electrode	UL-746A	sec.	-
Molding property				
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%	-
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%	

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

