

Property	Test Condition	Test Method ISO	Units	High Impact/Nylon6	
				GF35%	
				U127GX07	
				>PA6-I-GF35<	
				Dry	1.6%water
Physical property					
Water Absorption	24hrs. in 23℃ water	ISO62	%	0.6	-
Water Absorption	23℃ in water	ISO62	%	5	-
Density	23℃	ISO1183	kg/m ³	1350	-
Mechanical property					
Tensile strength	-40℃	ISO527-1,2	MPa	-	-
Tensile strength	23℃	ISO527-1,2	MPa	150	100
Elongation at Break	-40℃	ISO527-1,2	%	-	-
Elongation at Break	23℃	ISO527-1,2	%	4.5	7
Flexural Strength	-40℃	ISO178	MPa	-	-
Flexural Strength	23℃	ISO178	MPa	210	120
Flexural Modulus	-40℃	ISO178	GPa	-	-
Flexural Modulus	23℃	ISO178	GPa	7.9	4.4
Coefficient of friction (Without lubrication)	Vs metal	Suzuki Method	-	-	-
Rockwell Hardness	23℃	ISO2039-2	R Scale	115	-
Taper Abrasion		ISO9352	mg/1000times	13	-
Charpy Impact Strength (V-notched)	-40℃	ISO179	kJ/m ²	-	-
Charpy Impact Strength (V-notched)	23℃	ISO179	kJ/m ²	30	40
Charpy Impact Strength (Unnotched)	23℃	ISO179	kJ/m ²	120	160
Heat property					
Melting Point		DSC Method	℃	225	-
Coef of Linear Thermal Expansion		ISO11359-2	×10 ⁻⁵ /℃	4	-
Heat Deflection Temp Low Load	0.45MPa	ISO75-1,2	℃	210	-
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	℃	195	-
Molding property					
Mold shrinkage(Machine Direction)	80×80×3mmt	Toray Method	%	-	-
Mold shrinkage(Transverse Direction)	80×80×3mmt	Toray Method	%	0.2~0.8	-

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

