

Property	Test Condition	Test Method ISO	Units	GF reinforced
				High flow
				L304G35H
				>LCP-GF35<
Physical property				
Water Absorption	24hrs. in 23°C water	ASTM D570	%	0.01
Specific Gravity		ASTM D792	-	1.65
Mechanical property				
Tensile strength		ASTM D638	MPa	135
Tensile elongation at Break		ASTM D638	%	3
Flexural Strength		ASTM D790	MPa	160
Flexural Modulus		ASTM D790	GPa	13
Rockwell Hardness		ASTM D785	R,M Scale	R105
Izot impact V-notched		ASTM D256	J/m	75
Heat property				
Heat Deflection Temp High Load	1.82MPa	ASTM D648	°C	270
Flammability		UL94	rank/thickness m mt	V-0(0.20)
Linear Thermal Expansion		ASTM D696	$\times 10^{-5}/K$	0.6~2.5
Electrical property				
CTI		UL 746A	UL Index	3Equivalent
Dielectric Strength		ASTM D149	kV/mm	50
Dielectric Constant		ASTM D150	-	4.1
Molding property				
Mold shrinkage(Machine Direction)	80×80×1mmt	Toray Method	%	-0.03
Mold shrinkage(Transverse Direction)	80×80×1mmt	Toray Method	%	0.83

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

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