

LUXY K3 G55

PA6

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0009	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Elongation at Break	6	%	ASTM D 638
Flexural Modulus	13030	MPa	ASTM D 790
Flexural Strength	282	MPa	ASTM D 790
Izod Impact notched, 1/4 in	151	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-
Other properties			
Water Absorption, 24hr	0.5	%	ASTM D 570
Density	1500	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80 - 100	°C	-
Pre-drying - Time	4 - 5	h	-
Melt temperature	280 - 300	°C	-
Mold temperature	80 - 100	°C	-
Zone 1	280 - 300	°C	-
Zone 2	280 - 300	°C	-
Zone 3	280 - 300	°C	-
Nozzle temperature	280 - 320	°C	-
Screw speed	50 - 150	rpm	-
Back pressure	30 - 60	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified

Features

Amorphous, Low Warpage

Applications

Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific, South and Central America