

LUPOX HI1002F
(PBT+PC)

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.011	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	50	MPa	ASTM D 638
Elongation at Break	50	%	ASTM D 638
Flexural Modulus	1913	MPa	ASTM D 790
Flexural Strength	73.6	MPa	ASTM D 790
Izod Impact notched, 1/8 in	424	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.75	mm	-
DTUL @ 66 psi	120	°C	ASTM D 648
DTUL @ 264 psi	90	°C	ASTM D 648
Melting Temperature	225	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	250	-	IEC 60112

Other properties	Value	Unit	Test Standard
Density	1330	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	255 - 270	°C	-
Mold temperature	40 - 80	°C	-
Zone 1	240 - 255	°C	-
Zone 2	245 - 260	°C	-
Zone 3	250 - 260	°C	-
Nozzle temperature	250 - 265	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, High impact or impact modified

Applications

IT / Business Machine, Electrical and Electronical

Regional Availability

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