

LX-7001

PC

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	60.8	MPa	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	2354	MPa	ASTM D 790
Izod Impact notched, 1/8 in	785	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	1	mm	-
DTUL @ 264 psi	130	°C	ASTM D 648
Other properties			
Density	1200	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	290 - 310	°C	-
Mold temperature	60 - 90	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	270 - 290	°C	-
Zone 2	280 - 300	°C	-
Zone 3	290 - 310	°C	-
Nozzle temperature	280 - 300	°C	-

Characteristics**Processing**

Injection Molding, Profile Extrusion

Features

Light Diffusing

Special Characteristics

Flame retardant, Halogen-free, High impact or impact modified

Regional Availability

North America, Europe, Asia Pacific