

AN-3700

(PC+ABS)

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	58	MPa	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	2453	MPa	ASTM D 790
Izod Impact notched, 1/8 in	491	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	80	°C	ASTM D 648
Other properties			
Density	1200	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	240 - 260	°C	-
Mold temperature	60 - 80	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	220 - 240	°C	-
Zone 2	230 - 250	°C	-
Zone 3	240 - 260	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

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

Chemical Resistance

Hydrolytically Stable

Applications

Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific