

AN-3800

(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	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	62	MPa	ASTM D 638
Elongation at Break	80	%	ASTM D 638
Flexural Modulus	2256	MPa	ASTM D 790
Izod Impact notched, 1/8 in	589	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	2.0	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	85	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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	-
Nozzle temperature	240 - 260	°C	-

Characteristics**Processing**

Injection Molding

Applications

Electrical and Electronical

Special Characteristics

Flame retardant, Halogen-free, High impact or impact modified, Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific

Chemical Resistance

Hydrolytically Stable