

LUCON PN9008

PPS-MF

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.007	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	73.6	MPa	ASTM D 638
Elongation at Break	5	%	ASTM D 638
Flexural Modulus	12950	MPa	ASTM D 790
Flexural Strength	127	MPa	ASTM D 790
Izod Impact notched, 1/8 in	19.6	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	250	°C	ASTM D 648
Electrical properties			
ASTM Data			
Surface Resistivity	1E16	Ohm	ASTM D 257
Volume Resistivity	1E18	Ohm*cm	ASTM D 257
Other properties			
Density	1950	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120 - 140	°C	-
Pre-drying - Time	3 - 5	h	-
Processing humidity	≤0.01	%	-
Melt temperature	330	°C	-
Mold temperature	130 - 150	°C	-
Zone 1	280 - 310	°C	-
Zone 2	310 - 320	°C	-
Zone 3	320 - 325	°C	-
Nozzle temperature	310 - 330	°C	-
Screw speed	40 - 80	rpm	-
Back pressure	1 - 4	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat, Thermally Conductive

Chemical Resistance

General Chemical Resistance

Applications

Electrical and Electronical

Regional Availability

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