

LUCON PS4200

ABS-CF

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0025	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	64.7	MPa	ASTM D 638
Elongation at Break	10	%	ASTM D 638
Flexural Modulus	5395	MPa	ASTM D 790
Flexural Strength	98.1	MPa	ASTM D 790
Rockwell Hardness	R 99	-	ASTM D 785
Izod Impact notched, 1/8 in	49	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	95	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Volume Resistivity	1E9	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.35	%	ASTM D 570
Density	1140	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 5	h	-
Melt temperature	220 - 250	°C	-
Mold temperature	50 - 80	°C	-
Zone 1	200 - 250	°C	-
Zone 2	210 - 240	°C	-
Zone 3	210 - 240	°C	-
Nozzle temperature	210 - 240	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0 - 4	MPa	-

Characteristics**Processing**

Injection Molding

Features

Low Warpage

Regional Availability

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