

LUPOY HR5007AE

(PC+ABS)

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	5.5	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.0065	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	54	MPa	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	2256	MPa	ASTM D 790
Flexural Strength	86.3	MPa	ASTM D 790
Rockwell Hardness	R 115	-	ASTM D 785
Izod Impact notched, 1/8 in	594	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	424	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	108	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1130	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 100	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	240 - 270	°C	-
Mold temperature	50 - 70	°C	-
Zone 1	240 - 270	°C	-
Zone 2	245 - 275	°C	-
Zone 3	245 - 275	°C	-
Nozzle temperature	245 - 275	°C	-
Screw speed	40 - 70	rpm	-

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified

Applications

Electrical and Electronical

Regional Availability

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