

**LUPOY HR5007A**

(PC+ABS)

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	5.3	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
<b>ASTM Data</b>			
Tensile Strength at Yield	56.9	MPa	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	2109	MPa	ASTM D 790
Flexural Strength	77.5	MPa	ASTM D 790
Rockwell Hardness	R 114	-	ASTM D 785
Izod Impact notched, 1/8 in	613	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	471	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	113	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1140	kg/m <sup>3</sup>	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	250 - 275	°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, Heat stabilized or stable to heat

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

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