

LUPOY HR5007AT

(PC+ABS)

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
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
ASTM Data			
Tensile Strength at Yield	54.9	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
Izod Impact notched, 1/8 in	510	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	226	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	128 ^[1]	°C	ASTM D 648
DTUL @ 264 psi	114 ^[1]	°C	ASTM D 648

1: 6.4 mm

Other properties	Value	Unit	Test Standard
Density	1150	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	-
Back pressure	0.5 - 1.5	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Applications

Automotive

Regional Availability

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