

**ABS XG570**

ABS

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	22	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	49	MPa	ASTM D 638
Elongation at Yield	6	%	ASTM D 638
Elongation at Break	30	%	ASTM D 638
Flexural Modulus	2894	MPa	ASTM D 790
Flexural Strength	82.4	MPa	ASTM D 790
Rockwell Hardness	R 115	-	ASTM D 785
Izod Impact notched, 1/8 in	170	J/m	ASTM D 256
Izod Impact notched, 1/4 in	170	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	94.3	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 @ 66 psi	91	°C	ASTM D 648
DTUL @ 264 psi	87	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.3	%	ASTM D 570
Density	1060	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.01	%	-
Melt temperature	200 - 220	°C	-
Mold temperature	40 - 60	°C	-
Zone 1	170 - 190	°C	-
Zone 2	180 - 200	°C	-
Zone 3	190 - 210	°C	-
Nozzle temperature	200 - 220	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	30 - 60	MPa	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified

**Features**

Scratch Resistant

**Applications**

IT / Business Machine

**Regional Availability**

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