

ABS HI100X

ABS

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	17	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	30.4	MPa	ASTM D 638
Elongation at Break	40	%	ASTM D 638
Flexural Modulus	1373	MPa	ASTM D 790
Flexural Strength	47.1	MPa	ASTM D 790
Rockwell Hardness	R 78	-	ASTM D 785
Izod Impact notched, 1/4 in	292	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 264 psi	75	°C	ASTM D 648
Other properties			
Density	1060	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.01	%	-
Melt temperature	210 - 240	°C	-
Mold temperature	40 - 70	°C	-
Zone 1	180 - 200	°C	-
Zone 2	190 - 210	°C	-
Zone 3	200 - 220	°C	-
Nozzle temperature	200 - 230	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	30 - 60	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

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

Special Characteristics

High impact or impact modified, Transparent