

ABS HI121UNS

ABS

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	24	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
ASTM Data			
Tensile Modulus	2150	MPa	ASTM D 638
Tensile Strength at Yield	44	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Elongation at Break	10	%	ASTM D 638
Flexural Modulus	2450	MPa	ASTM D 790
Flexural Strength	70	MPa	ASTM D 790
Rockwell Hardness	R 107	-	ASTM D 785
Izod Impact notched, 1/8 in	320	J/m	ASTM D 256
Izod Impact notched, 1/4 in	300	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	130	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	85 ⁽¹⁾	°C	ASTM D 648
Vicat Temperature	92	°C	ASTM D 1525
1: 6.4 mm			

Other properties	Value	Unit	Test Standard
Density	1040	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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	-
Nozzle temperature	200 - 230	°C	-
Back pressure	0.5 - 1.5	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Anti-static, U.V. stabilized or stable to weather

Applications

Electrical and Electronical

Regional Availability

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