

Lexan SLX2231T

PC

SABIC Innovative Plastics

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index	17.5	g/10min	ASTM D 1238
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Density, 73°F	1200	kg/m ³	ASTM D 792
Mechanical properties			
ASTM Data			
Tensile Modulus	2399.37	MPa	ASTM D 638
Tensile Strength at Yield	64.8	MPa	ASTM D 638
Tensile Strength at Break	66.9	MPa	ASTM D 638
Elongation at Yield	6	%	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	2447.63	MPa	ASTM D 790
Flexural Strength	95.8	MPa	ASTM D 790
Izod Impact notched, 1/8 in	0.779	kJ/m	ASTM D 256
Izod Impact notched, Low-Temperature	0.128	kJ/m	ASTM D 256
Temperature	-30	°C	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	1.5	mm	-
Coefficient of Thermal Expansion, MD	69.8	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	69.8	E-6/K	ASTM D 696
DTUL @ 264 psi	133	°C	ASTM D 648
Vicat Temperature	137	°C	ASTM D 1525
Optical properties			
ASTM Data			
Haze	0.6	%	ASTM D 1003
Light Transmittance	89	%	ASTM D 1003

Characteristics

Processing

Injection Molding

Features

Copolymer

Additives

Release agent

Regional Availability

North America

Special Characteristics

U.V. stabilized or stable to weather, Transparent