

Lexan EXL9335

PC

SABIC Innovative Plastics

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index	10	g/10min	ASTM D 1238
Mold Shrinkage (MD)	0.006	mm/mm	ASTM D 955
Mold Shrinkage (TD)	0.006	mm/mm	ASTM D 955
Density (73°F)	1180	kg/m³	ASTM D 792

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2096	MPa	ASTM D 638
Tensile Strength at Yield	57.9	MPa	ASTM D 638
Tensile Strength at Break	60.7	MPa	ASTM D 638
Elongation at Yield	6	%	ASTM D 638
Elongation at Break	130	%	ASTM D 638
Flexural Modulus	2061.53	MPa	ASTM D 790
Flexural Strength	88.3	MPa	ASTM D 790
Izod Impact notched (1/8 in)	0.801	kJ/m	ASTM D 256
Izod Impact notched (Low-Temperature)	0.678	kJ/m	ASTM D 256
Temperature	-30	°C	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
Coefficient of Thermal Expansion (MD)	66.6	E-6/K	ASTM D 696
Coefficient of Thermal Expansion (TD)	66.6	E-6/K	ASTM D 696
DTUL @ 66 psi	134	°C	ASTM D 648
DTUL @ 264 psi	121	°C	ASTM D 648
Vicat Temperature	142	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength (Short Time)	17.1	kV/mm	ASTM D 149
Dissipation Factor (60 Hz)	0.0024	-	ASTM D 150
Dissipation Factor (1 MHz)	0.0085	-	ASTM D 150
Dielectric Constant (60 Hz)	2.95	-	ASTM D 150
Dielectric Constant (1 MHz)	2.9	-	ASTM D 150

Characteristics

Processing

Injection Molding

Features

Copolymer

Additives

Flame retarding agent

Regional Availability

North America

Special Characteristics

Flame retardant, U.V. stabilized or stable to weather