

Product Texts

LEXAN SLDM2005 compound is based on Polycarbonate / Polyester blend containing proprietary fillers. Added features of this grade include: Permanently Anti-Static, Non-Halogenated Flame Retardant

UL Yellow Card Link [E207780-228455](https://www.ul.com/yellowcard/E207780-228455)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	17	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2600	MPa	ISO 527
Yield stress	53	MPa	ISO 527
Yield strain	4	%	ISO 527
Stress at break	46	MPa	ISO 527
Strain at break	46	%	ISO 527
Flexural modulus	2630	MPa	ISO 178

ASTM Data			
Tensile Modulus	2830	MPa	ASTM D 638
Tensile Strength at Yield	54	MPa	ASTM D 638
Tensile Strength at Break	46	MPa	ASTM D 638
Elongation at Yield	4	%	ASTM D 638
Elongation at Break	72	%	ASTM D 638
Flexural Modulus	2350	MPa	ASTM D 790
Izod Impact notched, 1/8 in	294	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	2.0	mm	-
ASTM Data			
DTUL @ 264 psi	99	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	5E12	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water absorption	0.6	%	Sim. to ISO 62
Humidity absorption	0.03	%	Sim. to ISO 62
Density	1250	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 100	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.04	%	-
Melt temperature	240 - 260	°C	-
Mold temperature	30 - 70	°C	-
Zone 1	220 - 245	°C	-
Zone 2	220 - 255	°C	-
Zone 3	230 - 260	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics

Processing

Injection Molding

Special Characteristics

Flame retardant

Additives

Flame retarding agent

Regional Availability

North America, Europe, Asia Pacific