

**Product Texts**

LEXAN FXE4472L is a 20% glass filled, impact modified polycarbonate with excellent light-shield capability. It is designed for high flow, superior surface appearance, enhance release and good impact ductility. FXE4472L is available in white color only and ideal for light-shield applications.

UL Yellow Card Link [E207780-101621690](https://www.ulprospector.com/PC/Products/LEXAN-VISUALFX-Resin-FXE4472L-Asia)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	9	cm <sup>3</sup> /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	10	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	6050	MPa	ASTM D 638
Tensile Strength at Yield	38	MPa	ASTM D 638
Tensile Strength at Break	44	MPa	ASTM D 638
Elongation at Yield	3	%	ASTM D 638
Elongation at Break	4	%	ASTM D 638
Flexural Modulus	5200	MPa	ASTM D 790
Izod Impact notched, 1/8 in	170	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	920	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Vicat softening temperature, 120°C/h 50N	134	°C	ISO 306
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.4	mm	-
<b>ASTM Data</b>			
DTUL @ 66 psi	129	°C	ASTM D 648
DTUL @ 264 psi	123	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water absorption	0.12	%	Sim. to ISO 62
Humidity absorption	0.04	%	Sim. to ISO 62
Density	1330	kg/m <sup>3</sup>	ISO 1183
Density	1330	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	290 - 310	°C	-
Mold temperature	70 - 95	°C	-
Zone 1	265 - 290	°C	-
Zone 2	275 - 300	°C	-
Zone 3	290 - 310	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.3 - 0.7	MPa	-

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

Asia Pacific

**Special Characteristics**

High impact or impact modified