

Product Texts

LEXAN FXD143R is Transparent/translucent PC for light diffusion special effects. MFR of 10.8. Color package may affect performance. UV-stabilized.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	10.8	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2300	MPa	ASTM D 638
Tensile Strength at Yield	61	MPa	ASTM D 638
Tensile Strength at Break	68	MPa	ASTM D 638
Elongation at Yield	6.2	%	ASTM D 638
Elongation at Break	128	%	ASTM D 638
Flexural Modulus	2340	MPa	ASTM D 790
Izod Impact notched, 1/8 in	854	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Yellow Card available	yes	-	-
ASTM Data			
DTUL @ 66 psi	137	°C	ASTM D 648
DTUL @ 264 psi	126	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	325	-	IEC 60112

Other properties	Value	Unit	Test Standard
Density	1190	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	280 - 310	°C	-
Mold temperature	80 - 110	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	260 - 280	°C	-
Zone 2	270 - 290	°C	-
Zone 3	280 - 310	°C	-
Nozzle temperature	270 - 290	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

U.V. stabilized or stable to weather, Transparent, Translucent

Applications

Automotive, Electrical and Electronical

Regional Availability

Asia Pacific

Features

Light Diffusing