

Product Texts

LEXAN FXM101 is a transparent/translucent high viscosity grade for special effects colors with a metallic-luster appearance. Color package may affect performance.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	21	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2300	MPa	ISO 527
Yield stress	63	MPa	ISO 527
Yield strain	6	%	ISO 527
Stress at break	60	MPa	ISO 527
Strain at break	100	%	ISO 527
Flexural modulus, 23°C	2350	MPa	ISO 178
Ball indentation hardness	95	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	127	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	138	°C	ISO 75-1/-2
Vicat softening temperature, B	144	°C	ISO 306
Coeff. of linear therm. expansion, parallel	70	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Water absorption	0.35	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1200	kg/m ³	ISO 1183

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	290 - 320	°C	-
Mold temperature	80 - 100	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	270 - 300	°C	-
Zone 2	280 - 310	°C	-
Zone 3	290 - 320	°C	-
Nozzle temperature	270 - 290	°C	-

Characteristics**Processing**

Injection Molding

Features

Metallic effect

Special Characteristics

Transparent, Translucent

Regional Availability

Europe