LEXAN™ VISUALFX™ Resin FXM171R Europe

PC — Saudi Basic Industries Corporation (SABIC)

Product Texts

PC in special effects colors. Metallic and pearlescent additives. Color may affect performance.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**26**	cm³/10min	ISO 1133
Temperature	**300**	°C	-
Load	**1.2**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2350**	MPa	ISO 527
Yield stress	**63**	MPa	ISO 527
Yield strain	**6**	%	ISO 527
Stress at break	**50**	MPa	ISO 527
Strain at break	**50**	%	ISO 527
Flexural modulus, 23°C	**2300**	MPa	ISO 178

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**122**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**133**	°C	ISO 75-1/-2
Vicat softening temperature, B	**141**	°C	ISO 306
Coeff. of linear therm. expansion, parallel	**70**	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**V-2**	class	IEC 60695-11-10
Thickness tested	**1.2**	mm	-
Yellow Card available	**yes**	-	-

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/m³	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	**280 - 300**	°C	-
Mold temperature	**80 - 100**	°C	-
Feed temperature	**60 - 80**	°C	-
Zone 1	**260 - 280**	°C	-
Zone 2	**270 - 290**	°C	-
Zone 3	**280 - 300**	°C	-
Nozzle temperature	**270 - 290**	°C	-

Characteristics

Processing

Injection Molding

Applications

Building Construction, Electrical and Electronical

Features

Metallic effect

Regional Availability

Europe