

Product Texts

PC+ABS, ECO-conforming flame retardant with diamond sparkle appearance. Color package may affect performance.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	13	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	2.16	kg	-

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2800	MPa	ISO 527
Yield stress	50	MPa	ISO 527
Yield strain	4	%	ISO 527
Stress at break	40	MPa	ISO 527
Flexural modulus, 23°C	2800	MPa	ISO 178
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	5	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	8	kJ/m ²	ISO 180/1A
Izod notched impact strength	5	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
Rockwell hardness	R 122	-	ISO 2039-2
Ball indentation hardness	116	MPa	ISO 2039-1

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, B	94	°C	ISO 306
Coeff. of linear therm. expansion, parallel	75	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	75	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	1.0	mm	-
Yellow Card available	yes	-	-
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	2.0	mm	-
Yellow Card available	yes	-	-
Oxygen index	32	%	ISO 4589-1/-2

Electrical properties

	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	2.7	-	IEC 62631-2-1
Dissipation factor, 1MHz	80	E-4	IEC 62631-2-1
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Electric strength	25	kV/mm	IEC 60243-1

Other properties

	Value	Unit	Test Standard
Water absorption	0.6	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1200	kg/m ³	ISO 1183

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	230 - 270	°C	-

LEXAN™ VISUALFX™ Resin FXC630SK -Europe

(PC+ABS)

Saudi Basic Industries Corporation (SABIC)

Mold temperature	50 - 70	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	200 - 230	°C	-
Zone 2	220 - 260	°C	-
Zone 3	230 - 270	°C	-
Nozzle temperature	220 - 260	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant

Certifications

Food contact

Applications

Electrical and Electronical, Packaging

Regional Availability

Europe