

**Product Texts**

PC-siloxane copolymer in special light diffusion colors. Medium flow. Improved toughness compared to medium flow standard PC in same color. Color package may affect performance.

UL Yellow Card Link [E45329-101029863](https://www.ulprospector.com/PC/properties/45329-101029863)

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<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	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	2300	MPa	ISO 527
Yield stress	57	MPa	ISO 527
Yield strain	5.4	%	ISO 527
Stress at break	54	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus	2150	MPa	ISO 178
Charpy impact strength, +23°C, 3mm	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C, 3mm	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C, 3mm	70	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C, 3mm	60	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 3mm	65	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength, -30°C, 3mm	55	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	2240	MPa	ASTM D 638
Tensile Strength at Yield	59	MPa	ASTM D 638
Tensile Strength at Break	51	MPa	ASTM D 638
Elongation at Yield	5.8	%	ASTM D 638
Elongation at Break	84	%	ASTM D 638
Flexural Modulus	2220	MPa	ASTM D 790
Izod Impact notched, 1/8 in	817	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	721	J/m	ASTM D 256
Temperature	-30	°C	-
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	116	°C	ISO 75-1/-2
Vicat softening temperature, B	138	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	142	°C	ISO 306
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.4	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (GWIT)	850	°C	IEC 60695-2-13
GWIT - thickness tested (3)	3	mm	-
<b>ASTM Data</b>			
DTUL @ 264 psi	122	°C	ASTM D 648
Vicat Temperature	138	°C	ASTM D 1525
<b>Other properties</b>			
Water absorption	0.12	%	Sim. to ISO 62
Humidity absorption	0.09	%	Sim. to ISO 62

**LEXAN™ VISUALFX™ Resin FXD1414T - Europe**

PC

Saudi Basic Industries Corporation (SABIC)

Density	<b>1180</b>	kg/m <sup>3</sup>	ISO 1183
Density	<b>1180</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>120</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>295 - 315</b>	°C	-
Mold temperature	<b>70 - 95</b>	°C	-
Zone 1	<b>270 - 295</b>	°C	-
Zone 2	<b>280 - 305</b>	°C	-
Zone 3	<b>295 - 315</b>	°C	-
Screw speed	<b>40 - 70</b>	rpm	-
Back pressure	<b>0.3 - 0.7</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Applications**

Automotive