LEXAN™ Copolymer EXL9330S - Asia

PC | Saudi Basic Industries Corporation (SABIC)

Product Texts

Opaque PC-Siloxane copolymer with excellent processability. UV stabilized. UL rated V-0/5VA/CTI-PLC-2. Available in limited colors; please contact your SABIC IP representative

UL Yellow Card Link E207780-101999064

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**7**	cm³/10min	ISO 1133
Temperature	**300**	°C	-
Load	**1.2**	kg	-
ASTM Data			
Melt Flow Index, MFI	**8**	g/10min	ASTM D 1238
Temperature	**300**	°C	-
Load	**1.2**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2150**	MPa	ISO 527
Yield stress	**59**	MPa	ISO 527
Yield strain	**6**	%	ISO 527
Stress at break	**58**	MPa	ISO 527
Strain at break	**50**	%	ISO 527
Flexural modulus	**2150**	MPa	ISO 178
Charpy impact strength, +23°C, 3mm	**N**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C, 3mm	**N**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C, 3mm	**70**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C, 3mm	**50**	kJ/m²	ISO 179/1eA
Izod impact strength, +23°C	**N**	kJ/m²	ISO 180/1U
Izod notched impact strength, +23°C, 3mm	**75**	kJ/m²	ISO 180/1A
Izod notched impact strength, -30°C, 3mm	**50**	kJ/m²	ISO 180/1A
ASTM Data			
Tensile Modulus	**2150**	MPa	ASTM D 638
Tensile Strength at Yield	**59**	MPa	ASTM D 638
Tensile Strength at Break	**58**	MPa	ASTM D 638
Elongation at Yield	**6**	%	ASTM D 638
Elongation at Break	**100**	%	ASTM D 638
Flexural Modulus	**2150**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**700**	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	**550**	J/m	ASTM D 256
Temperature	**-30**	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**126**	°C	ISO 75-1/-2
Vicat softening temperature, B	**145**	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	**147**	°C	ISO 306
Burning behav. at thickness h	**V-0**	class	IEC 60695-11-10
Thickness tested	**0.8**	mm	-
Burning behav. 5V at thickness h	**5VB**	class	IEC 60695-11-20
Thickness tested	**2.0**	mm	-
Glow Wire Flammability Index (GWFI)	**960**	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (GWIT)	**900**	°C	IEC 60695-2-13
GWIT - thickness tested (3)	**3**	mm	-
ASTM Data			
DTUL @ 66 psi	**139**	°C	ASTM D 648
DTUL @ 264 psi	**126**	°C	ASTM D 648
Vicat Temperature	**147**	°C	ASTM D 1525

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Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	**250**	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	**0.12**	%	Sim. to ISO 62
Humidity absorption	**0.05**	%	Sim. to ISO 62
Density	**1240**	kg/m³	ISO 1183
Density	**1240**	kg/m³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**120**	°C	-
Pre-drying - Time	**3 - 4**	h	-
Processing humidity	**≤0.02**	%	-
Melt temperature	**295 - 315**	°C	-
Mold temperature	**70 - 95**	°C	-
Zone 1	**275 - 295**	°C	-
Zone 2	**280 - 305**	°C	-
Zone 3	**295 - 315**	°C	-
Screw speed	**40 - 70**	rpm	-
Back pressure	**0.3 - 0.7**	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

Asia Pacific