

现货PC EXL9330 BK1A068 耐寒 黑色颗粒

产品名称	现货PC EXL9330 BK1A068 耐寒 黑色颗粒
公司名称	东莞市凯硕塑胶原料有限公司
价格	.00/个
规格参数	性能:耐寒 规格:25KG/包 包装:原厂原包
公司地址	樟木头奥园塑金国际15栋109
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产品详情

PC EXL9330 BK1A068 , 耐寒PC原料 , PC耐寒黑色颗粒 , 沙伯基础 EXL9330 BK1A068

厂家(产地)沙伯基础(原GE)牌号EXL9330-BK1A068加工级别注塑级特性级别阻燃级用途级别通用级销售方式品牌经销类型标准料

Lexan PC EXL9330物性

-60 延展性,紫外稳定.耐燃性V-0/5VA. 非卤化,不含溴.

Property

TYPICAL PROPERTIES (1)

MECHANICAL	Value	Unit	Standard
Tensile Stress, yld, Type I, 50 mm/min	590	kgf/cm2	ASTM D 638
Tensile Stress, brk, Type I, 50 mm/min	620	kgf/cm2	ASTM D 638
Tensile Strain, yld, Type I, 50 mm/min	6	%	ASTM D 638
Tensile Strain, brk, Type I, 50 mm/min	130	%	ASTM D 638
Tensile Modulus, 50 mm/min	21400	kgf/cm2	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	900	kgf/cm2	ASTM D 790
Flexural Modulus, 1.3 mm/min,	21000	kgf/cm2	ASTM D 790

50 mm span			
Tensile Stress, yield, 50 mm/min	55	MPa	ISO 527
Tensile Stress, break, 50 mm/min	60	MPa	ISO 527
Tensile Strain, yield, 50 mm/min	6	%	ISO 527
Tensile Strain, break, 50 mm/min	125	%	ISO 527
Tensile Modulus, 1 mm/min	2100	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	85	MPa	ISO 178
Flexural Modulus, 2 mm/min	2200	MPa	ISO 178
Hardness, H358/30	90	MPa	ISO 2039-1
IMPACT	Value	Unit	Standard
Izod Impact, notched, 23 ° C	81	cm-kgf/cm	ASTM D 256
Izod Impact, notched, -30 ° C	69	cm-kgf/cm	ASTM D 256
Izod Impact, notched, -50 ° C	59	cm-kgf/cm	ASTM D 256
Izod Impact, notched, 23 ° C, 6.4mm	65	cm-kgf/cm	ASTM D 256
Izod Impact, double-gated, 23 ° C	108	cm-kgf/cm	SABIC Method
Instrumented Impact Total Energy, 23 ° C	539	cm-kgf	ASTM D 3763
Izod Impact, unnotched 80*10*3 NB +23 ° C		kJ/m2	ISO 180/1U
Izod Impact, unnotched 80*10*3 NB -30 ° C		kJ/m2	ISO 180/1U
Izod Impact, notched 80*10*3 +23 ° C	70	kJ/m2	ISO 180/1A
Izod Impact, notched 80*10*3 -30 ° C	55	kJ/m2	ISO 180/1A
Izod Impact, notched 63.5*12.7*3.2, 23 ° C	80	kJ/m2	ISO 180/4A
Izod Impact, notched 63.5*12.7*3.2, -30 ° C	65	kJ/m2	ISO 180/4A
Charpy 23 ° C, V-notch Edgew 80*10*3 sp=62mm	75	kJ/m2	ISO 179/1eA
Charpy -30 ° C, V-notch Edgew 80*10*3 sp=62mm	60	kJ/m2	ISO 179/1eA
Charpy 23 ° C, Unnotch Edgew NB 80*10*3 sp=62mm		kJ/m2	ISO 179/1eU
Charpy -30 ° C, Unnotch Edgew NB 80*10*3 sp=62mm		kJ/m2	ISO 179/1eU
THERMAL	Value	Unit	Standard
Vicat Softening Temp, Rate B/50	142	° C	ASTM D 1525
HDT, 0.45 MPa, 3.2 mm, unannealed	134	° C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	120	° C	ASTM D 648
HDT, 1.82 MPa, 6.4 mm, unannealed	124	° C	ASTM D 648
CTE, -40 ° C to 40 ° C, flow	6.66E-05	1/ ° C	ASTM E 831
CTE, -40 ° C to 40 ° C, xflow	6.66E-05	1/ ° C	ASTM E 831
CTE, 23 ° C to 80 ° C, flow	7.2E-05	1/ ° C	ISO 11359-2
CTE, 23 ° C to 80 ° C, xflow	7.7E-05	1/ ° C	ISO 11359-2

Ball Pressure Test, 125 ° C +/- 2 ° C	PASSES	-	IEC 60695-10-2
Vicat Softening Temp, Rate B/50	140	° C	ISO 306
Vicat Softening Temp, Rate B/120	142	° C	ISO 306
HDT/Be, 0.45MPa Edgew 120*10*4 sp=100mm	135	° C	ISO 75/Be
HDT/Ae, 1.8 MPa Edgew 120*10*4 sp=100mm	124	° C	ISO 75/Ae
Relative Temp Index, Elec	125	° C	UL 746B
Relative Temp Index, Mech w/impact	115	° C	UL 746B
Relative Temp Index, Mech w/o impact	120	° C	UL 746B
PHYSICAL	Value	Unit	Standard
Specific Gravity	1.18	-	ASTM D 792
Mold Shrinkage, flow, 3.2 mm	0.4 - 0.8	%	SABIC Method
Mold Shrinkage, xflow, 3.2 mm	0.4 - 0.8	%	SABIC Method
Melt Flow Rate, 300 ° C/1.2 kgf	10	g/10 min	ASTM D 1238
Density	1.19	g/cm ²	ISO 1183
Water Absorption, (23 ° C/sat)	0.35	%	ISO 62
Moisture Absorption (23 ° C / 50% RH)	0.15	%	ISO 62
Melt Volume Rate, MVR at 300 ° C/1.2 kg	9	cm ² 10 min	ISO 1133
ELECTRICAL	Value	Unit	Standard
Dielectric Strength, in oil, 3.2 mm	17	kV/mm	ASTM D 149
Relative Permittivity, 50/60 Hz	2.95	-	ASTM D 150
Relative Permittivity, 1 MHz	2.9	-	ASTM D 150
Dissipation Factor, 50/60 Hz	0.0024	-	ASTM D 150
Dissipation Factor, 1 MHz	0.0085	-	ASTM D 150
Hot Wire Ignition {PLC}	1	PLC Code	UL 746A
High Ampere Arc Ign, surface {PLC}	0	PLC Code	UL 746A
Comparative Tracking Index (UL) {PLC}	3	PLC Code	UL 746A
Volume Resistivity	>1.E+15	Ohm-cm	IEC 60093
Surface Resistivity, ROA	>1.E+15	Ohm	IEC 60093
Dielectric Strength, in oil, 3.2 mm	16	kV/mm	IEC 60243-1
Relative Permittivity, 50/60 Hz	2.6	-	IEC 60250
Relative Permittivity, 1 MHz	2.7	-	IEC 60250
Dissipation Factor, 50/60 Hz	0.001	-	IEC 60250
Dissipation Factor, 1 MHz	0.008	-	IEC 60250
Comparative Tracking Index	225	V	IEC 60112
FLAME CHARACTERISTICS	Value	Unit	Standard
UL Recognized, 94V-0 Flame Class Rating (3)	1.49	mm	UL 94
UL Recognized, 94-5VA Rating (3)	2.99	mm	UL 94
Glow Wire Flammability Index 960 ° C, passes at	1	mm	IEC 60695-2-12

Glow Wire Ignitability Temperature, 1.0 mm	825	° C	IEC 60695-2-13
Oxygen Index (LOI)	35	%	ISO 4589
UV-light, water exposure/immersion	F1	-	UL 746C

Processing

Parameter

Parameter	Value	Unit
Injection Molding		
Drying Temperature	120	° C
Drying Time	3 - 4	hrs
Drying Time (Cumulative)	48	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	295 - 315	° C
Nozzle Temperature	290 - 310	° C
Front - Zone 3 Temperature	295 - 315	° C
Middle - Zone 2 Temperature	280 - 305	° C
Rear - Zone 1 Temperature	215 - 295	° C
Mold Temperature	70 - 95	° C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	40 - 70	rpm
Shot to Cylinder Size	40 - 60	%
Vent Depth	0.025 - 0.076	mm