

原料PC 基础创新塑料(南沙) 500ECR-131

产品名称	原料PC 基础创新塑料(南沙) 500ECR-131
公司名称	东莞市樟木头常虹塑胶原料经营部
价格	2.00/公斤
规格参数	性能:无卤阻燃 型号:500ECR
公司地址	樟木头镇塑胶市场
联系电话	13415876611

产品详情

专营Lexan PC 500ECR(500ECR-131, 500ECR-739, 500ECR-BK1066, 500ECR-NA, Lexan 500ECR, 500ECR物性, Sabic 500ECR, GE 500ECR, PC 500ECR, 聚碳酸酯, PC 塑胶原料, Sabic PC, PC 塑料)。

Lexan PC 500ECR物性

10 %玻璃纤维填充,注射模压级,非氯化非溴化阻燃UL - 94 V0(2.3mm),它有各种不透明的颜色.

Property

TYPICAL PROPERTIES (1)

MECHANICAL

ValueUnitStandard

Tensile Stress, yld, Type I, 5 mm/min

580

kgf/cm²

ASTM D 638

Tensile Stress, brk, Type I, 5 mm/min

480

Tensile Strain, yld, Type I, 5 mm/min

4.7

%

Tensile Strain, brk, Type I, 5 mm/min

46

Tensile Modulus, 5 mm/min

25000

Flexural Stress, brk, 1.3 mm/min, 50 mm span

950

ASTM D 790

Flexural Modulus, 1.3 mm/min, 50 mm span

31800

Taber Abrasion, CS-17, 1 kg

11

mg/1000cy

SABIC Method

Tensile Stress, yield, 5 mm/min

60

MPa

ISO 527

Tensile Stress, break, 5 mm/min

45

Tensile Strain, yield, 5 mm/min

5

Tensile Strain, break, 5 mm/min

7

Tensile Modulus, 1 mm/min

3300

Flexural Stress, yield, 2 mm/min

95

ISO 178

Flexural Modulus, 2 mm/min

3400

Hardness, H358/30

115

ISO 2039-1

IMPACT

ValueUnitStandard

Izod Impact, unnotched, 23 ° C, 6.4mm

NB

cm-kgf/cm

ASTM D 4812

Izod Impact, notched, 23 ° C

13

ASTM D 256

Izod Impact, notched, -30 ° C

10

Instrumented Impact Total Energy, 23 ° C

622

cm-kgf

ASTM D 3763

Izod Impact, unnotched 80*10*3 +23 ° C

kJ/m²

ISO 180/1U

Izod Impact, unnotched 80*10*3 -30 ° C

130

Izod Impact, notched 80*10*3 +23 ° C

ISO 180/1A

Izod Impact, notched 80*10*3 -30 ° C

8

Izod Impact, unnotched 80*10*4 +23 ° C

Izod Impact, unnotched 80*10*4 -30 ° C

Charpy 23 ° C, V-notch Edgew 80*10*3 sp=62mm

ISO 179/1eA

Charpy -30 ° C, V-notch Edgew 80*10*3 sp=62mm

9

Charpy 23 ° C, Unnotch Edgew 80*10*3 sp=62mm

ISO 179/1eU

Charpy -30 ° C, Unnotch Edgew 80*10*3 sp=62mm

Charpy 23 ° C, V-notch Edgew 80*10*4 sp=62mm

Charpy Impact, notched, 23 ° C

15

ISO 179/2C

Charpy 23 ° C, Unnotch Edgew 80*10*4 sp=62mm

Charpy -30 ° C, Unnotch Edgew 80*10*4 sp=62mm

THERMAL

ValueUnitStandard

Vicat Softening Temp, Rate B/50

154

° C

ASTM D 1525

HDT, 0.45 MPa, 3.2 mm, unannealed

143

ASTM D 648

HDT, 1.82 MPa, 3.2mm, unannealed

136

CTE, -40 ° C to 40 ° C, flow

4.68E-05

1/ ° C

ASTM E 831

CTE, -40 ° C to 40 ° C, xflow

8.46E-05

Thermal Conductivity

0.21

W/m- ° C

ISO 8302

ISO 11359-2

CTE, 23 ° C to 80 ° C, flow

4.E-05

Ball Pressure Test, 125 ° C +/- 2 ° C

PASSES

-

IEC 60695-10-2

Vicat Softening Temp, Rate B/50

141

ISO 306

Vicat Softening Temp, Rate B/120

HDT/Be, 0.45MPa Edgew 120*10*4 sp=100mm

144

ISO 75/Be

HDT/Ae, 1.8 MPa Edgew 120*10*4 sp=100mm

ISO 75/Ae

HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm

ISO 75/Af

HDT/Ae, 1.8 MPa Annealed 120 ° C, 2hrs

142

Relative Temp Index, Elec

UL 746B

Relative Temp Index, Mech w/impact

Relative Temp Index, Mech w/o impact

PHYSICAL

ValueUnitStandard

Specific Gravity

1.27

ASTM D 792

Mold Shrinkage, flow, 3.2 mm

0.4 - 0.6

Mold Shrinkage, xflow, 3.2 mm

Melt Flow Rate, 300 ° C/1.2 kgf

7.5

g/10 min

ASTM D 1238

Density

1.25

g/cm³

ISO 1183

Water Absorption, (23 ° C/sat)

0.31

ISO 62

Moisture Absorption (23 ° C / 50% RH)

0.13

Melt Volume Rate, MVR at 300 ° C/1.2 kg

cm³/10 min

ISO 1133

ELECTRICAL

ValueUnitStandard

Hot Wire Ignition {PLC}

4

PLC Code

UL 746A

High Ampere Arc Ign, surface {PLC}

Comparative Tracking Index (UL) {PLC}

3

Volume Resistivity

>1.E+15

Ohm-cm

IEC 60093

Surface Resistivity, ROA

Ohm

Dielectric Strength, in oil, 0.8 mm

33

kV/mm

IEC 60243-1

Dielectric Strength, in oil, 1.6 mm

25

Dielectric Strength, in oil, 3.2 mm

16

Relative Permittivity, 50/60 Hz

2.9

IEC 60250

Relative Permittivity, 1 MHz

2.8

Dissipation Factor, 50/60 Hz

0.001

Dissipation Factor, 1 MHz

0.01

Comparative Tracking Index

150

V

IEC 60112

FLAME CHARACTERISTICS

ValueUnitStandard

UL Recognized, 94V-1 Flame Class Rating (3)

1.8

mm

UL 94

UL Recognized, 94V-0 Flame Class Rating (3)

2.3

Glow Wire Flammability Index 960 ° C, passes at

1

IEC 60695-2-12

Glow Wire Ignitability Temperature, 1.0 mm

825

IEC 60695-2-13

Oxygen Index (LOI)

36

ISO 4589

UV-light, water exposure/immersion

F2

UL 746C

Processing

Parameter

Injection Molding

ValueUnit

Drying Temperature

120

° C

Drying Time

2 - 4

hrs

Maximum Moisture Content

0.02

%

Melt Temperature

290 - 320

Nozzle Temperature

280 - 310

Front - Zone 3 Temperature

Middle - Zone 2 Temperature

Rear - Zone 1 Temperature

270 - 300

Hopper Temperature

60 - 80

Mold Temperature

80 - 120