

PES|德国巴斯夫|E2010

产品名称	PES 德国巴斯夫 E2010
公司名称	浙江昌宏塑胶原料有限公司
价格	.00/个
规格参数	品牌:Ultrason 型号:E 2010 PES 特性:食品 医疗级
公司地址	义乌市江东街道端头二区58栋1号
联系电话	0579-15868975843 15868975843

产品详情

Ultrason E 2010是一款无增强、中等粘度的标准注塑PES级产品。它易于流动，并提供出色的耐热性和尺寸稳定性。符合21 CFR 177.2440的FDA要求。

BASF Ultrason E 2010 PES Polymer, Thermoplastic, Polyethersulfone (PES) BASF 产品说明:

Ultrason E 2010 is an unreinforced, medium viscosity standard injection molding PES grade. It flows readily and offers outstanding heat resistance and dimensional stability. It conforms to FDA requirements of 21 CFR 177.2440.

PES 德国巴斯夫 E2010 物性表

主要经营: 特种工程塑料 (LCP、PES、PEI、PSU、PPS、PPSU、PEEK) ; 高温尼龙 (PPA、PA46、PA4T、PA6T、PA9T、PA11、PA12) ; 氟塑料 (FEP、PFA、PVDF)。

巴斯夫 PES E2010 中粘度 高流动 尺寸稳定 耐高温205度 防火V0

BASF Ultrason E 2010 PES 物性表

物理性能额定值 (公制) 额定值 (英制) 测试方法 密度 1.37 g/cc 0.0495 lb/in³ ISO 1183 吸水率 2.2 % 2.2 % ISO 62 平衡吸湿 0.80 % 0.80 % 23 ° C / 50% R.H.; ISO 62 粘度测试 56 cm³/g 56 cm³/g Viscosity number 线性成型收缩率, Flow 0.0082 cm/cm 0.0082 in/in ISO 294 线性成型收缩率, 横向 0.0086 cm/cm 0.0086 in/in ISO 294 熔体流动速率 70 g/10 min

@Load 10.0 kg, Temperature 360 ° C

70 g/10 min

@Load 22.0 lb, Temperature 680 ° F

ISO 1133机械性能额定值 (公制)额定值 (英制)测试方法球压硬度154 MPa22300 psiISO
2039-1抗张强度(断裂)90.0 MPa13100 psi5mm/min; ISO 527-2抗张强度(屈服)90.0 MPa13100 psi50mm/min; ISO
527-2伸长率(断裂)6.7 %6.7 %5mm/min; ISO 527-2屈服伸长率6.7 %6.7 %50mm/min; ISO 527-2弹性模量2.50
GPa

@Temperature 60.0 ° C

363 ksi

@Temperature 140 ° F

ISO 527拉伸模量2.70 GPa392 ksiISO 527-2弯曲强度131 MPa19000 psiISO Data弯曲模量2.60 GPa377 ksiASTM
Test2.86 GPa415 ksiISO DataFatigue Strength5.00 MPa

@# of Cycles 1.00e+7 , Temperature 180 ° C

725 psi

@# of Cycles 1.00e+7 , Temperature 356 ° F

7.00 MPa

@# of Cycles 1.00e+6 , Temperature 180 ° C

1020 psi

@# of Cycles 1.00e+6 , Temperature 356 ° F

9.00 MPa

@# of Cycles 100000 , Temperature 180 ° C

1310 psi

@# of Cycles 100000 , Temperature 356 ° F

12.0 MPa

@# of Cycles 10000 , Temperature 180 ° C

1740 psi

@# of Cycles 10000 , Temperature 356 ° F

22.0 MPa

@# of Cycles 1.00e+7

3190 psi

@# of Cycles 1.00e+7

25.0 MPa

@# of Cycles 100000

3630 psi

@# of Cycles 100000

35.0 MPa

@# of Cycles 100000

5080 psi

@# of Cycles 100000

55.0 MPa

@# of Cycles 10000

7980 psi

@# of Cycles 10000

剪切模量0.200 GPa

@Temperature 225 ° C

29.0 ksi

@Temperature 437 ° F

ISO 67210.900 GPa

@Temperature 200 ° C

131 ksi

@Temperature 392 ° F

ISO 67210.950 GPa

@Temperature 100 ° C

138 ksi

@Temperature 212 ° F

ISO 67211.00 GPa

@Temperature 50.0 ° C

145 ksi

@Temperature 122 ° F

ISO 6721悬壁梁缺口冲击强度6.50 kJ/m²3.09 ft-lb/in²ISO 180/A7.00 kJ/m²

@Temperature -30.0 ° C

3.33 ft-lb/in²

@Temperature -22.0 ° F

ISO 180/A简支梁无缺口冲击强度NBNBISO 179/1eUNB

@Temperature -30.0 ° C

NB

@Temperature -22.0 ° F

ISO 179/1eU简支梁缺口冲击强度0.650 J/cm²3.09 ft-lb/in²ISO 179/1eA0.700 J/cm²

@Temperature -30.0 ° C

ISO 179/1eA拉伸蠕变模量(1000 hr)2700 MPa392000 psielongation <0.5%, 23 ° C; ISO 899电气性能额定值(公制)额定值(英制)测试方法体积电阻率 $\geq 1.00 \times 10^{13}$ ohm-cm $\geq 1.00 \times 10^{13}$ ohm-cmIEC 60093表面电阻 $\geq 1.00 \times 10^{14}$ ohm $\geq 1.00 \times 10^{14}$ ohmIEC 60093介电常数3.8

@Frequency 1.00e+6 Hz

3.8

@Frequency 1.00e+6 Hz

IEC 602503.9

@Frequency 100 Hz

3.9

@Frequency 100 Hz

IEC 60250介电强度37.0 kV/mm940 kV/inIEC 60243-1耗散因数0.0017

@Frequency 100 Hz

0.0017

@Frequency 100 Hz

IEC 602500.014

@Frequency 1.00e+6 Hz

0.014

@Frequency 1.00e+6 Hz

IEC 60250相比耐漏电起痕指数(CTI)125 V125 VTest Liquid A & B; IEC 60112热性能额定值 (公制)额定值 (英制)测试方法线性热膨胀系数50.0 $\mu\text{m}/\text{m}-^{\circ}\text{C}$

@Temperature -26.0 $^{\circ}\text{C}$

27.8 $\mu\text{in}/\text{in}-^{\circ}\text{F}$

@Temperature -14.8 $^{\circ}\text{F}$

DIN 5375254.0 $\mu\text{m}/\text{m}-^{\circ}\text{C}$

@Temperature 75.0 $^{\circ}\text{C}$

30.0 $\mu\text{in}/\text{in}-^{\circ}\text{F}$

@Temperature 167 $^{\circ}\text{F}$

DIN 5375260.0 $\mu\text{m}/\text{m}-^{\circ}\text{C}$

@Temperature 175 $^{\circ}\text{C}$

33.3 $\mu\text{in}/\text{in}-^{\circ}\text{F}$

@Temperature 347 $^{\circ}\text{F}$

DIN 53752线形热膨胀系数 - 流动52.0 $\mu\text{m}/\text{m}-^{\circ}\text{C}$ 28.9 $\mu\text{in}/\text{in}-^{\circ}\text{F}$ ISO 11359-1/-259.0 $\mu\text{m}/\text{m}-^{\circ}\text{C}$ 32.8 $\mu\text{in}/\text{in}-^{\circ}\text{F}$ ISO 11359-1/-2比热容1.00 J/g- $^{\circ}\text{C}$ 0.239 BTU/lb- $^{\circ}\text{F}$ 导热系数0.190 W/m-K1.32 BTU-in/hr-ft $^2-^{\circ}\text{F}$ DIN 52612-1zui高工作温度, Air220 $^{\circ}\text{C}$ 428 $^{\circ}\text{F}$ 载荷下热变形温度(0.46 MPa)218 $^{\circ}\text{C}$ 424 $^{\circ}\text{F}$ ISO 75-2载荷下热变形温度(1.8 MPa)205 $^{\circ}\text{C}$ 401 $^{\circ}\text{F}$ ISO 75-2玻璃化转变温度, Tg225 $^{\circ}\text{C}$ 437 $^{\circ}\text{F}$ ISO 11357-1/-3UL RTI190 $^{\circ}\text{C}$ 374 $^{\circ}\text{F}$ 50% decrease of tensile strength after 20000h; 746B可燃性(UL94)V-0

@Thickness 3.20 mm

V-0

@Thickness 0.126 in

V-0

@Thickness 1.60 mm

V-0

@Thickness 0.0630 in

5VA

@Thickness >=3.00 mm

5VA

@Thickness >=0.118 in

极限氧指数38 %38 %ISO 4589-1/-2灼热丝试验825 ° C1520 ° Flgnition Temperature; IEC 60695-2-13960 ° C1760 ° FFlammability Index; IEC 60695-2-12光学性能额定值 (公制)额定值 (英制)测试方法折射率1.651.65Transmission, Visible88 %

@Thickness 50.8 mm

88 %

@Thickness 2.00 in

ASTM D 100330 %

@Wavelength 350 nm

30 %

@Wavelength 350 nm

72 %

@Wavelength 400 nm

72 %

@Wavelength 400 nm

81 %

@Wavelength 500 nm

81 %

@Wavelength 500 nm

85 %

@Wavelength 600 nm

85 %

@Wavelength 600 nm

紫外线透过率2.0 %

@Wavelength 300 nm

2.0 %

@Wavelength 300 nm

15 %

@Wavelength 200 nm

15 %

@Wavelength 200 nm

加工性能额定值 (公制)额定值 (英制)测试方法加工 (熔体) 温度340 - 390 ° C644 - 734 ° FInjection
molding模具温度140 - 180 ° C284 - 356 ° FInjection molding

材料描述测试方法颜色Natural and colored商业地位North America and Europe