

PPO沙伯基础(原GE) GTX910 阻燃级 注塑级 聚苯醚 工程塑料

产品名称	PPO沙伯基础(原GE) GTX910 阻燃级 注塑级 聚苯醚 工程塑料
公司名称	上海远能工程塑料有限公司
价格	1.00/1
规格参数	
公司地址	上海嘉定区安亭镇墨玉南路1080号508室
联系电话	15250233253

产品详情

SABIC Innovative Plastics NORYL GFN1720 Polymer, Thermoplastic, Polyphenylene Ether/PPO, Polystyrene (PS) SABIC Innovative Plastics (GE Plastics) 产品说明:

Noryl* GFN1720 is a 20% glass fiber reinforced, injection moldable grade. This modified polyphenylene ether resin is designed to deliver a balance of heat, strength and electrical properties. Noryl GFN1720 is available in multiple colors and may be an excellent material candidate for ignition coils, bobbins and other application requiring electrically insulating properties.

SABIC Innovative Plastics NORYL GFN1720

物理性能额定值 (公制) 额定值 (英制) 测试方法

比重 1.24 g/cc 1.24 g/cc ASTM D792 密度 1.24 g/cc 0.0448 lb/in³ ISO 1183 水分吸收 0.0600 % 0.0600 % 23 ° C / 50% RH; ISO 62 饱和吸水率 0.15 % 0.15 % ISO 62 线性成型收缩率, Flow 0.0020 - 0.0040 cm/cm 0.0020 - 0.0040 in/in on Tensile Bar; SABIC Method 0.0020 - 0.0040 cm/cm

@Thickness 3.20 mm

0.0020 - 0.0040 in/in

@Thickness 0.126 in

SABIC Method 熔体流动速率 4.5 g/10 min

@Load 5.00 kg, Temperature 300 ° C

4.5 g/10 min

@Load 11.0 lb, Temperature 572 ° F

ASTM D1238化合物熔体指数11 g/10 min

@Load 10.0 kg, Temperature 300 ° C

11 g/10 min

@Load 22.0 lb, Temperature 572 ° F

MVR [cm³/10 min]; ISO 1133

机械性能额定值 (公制)额定值 (英制)测试方法

硬度, H358/30100 MPa14500 psiISO 2039-1抗张强度(断裂)90.0 MPa13100 psiType I, 5 mm/min; ASTM D63890.0 MPa13100 psi5 mm/min; ISO 527抗张强度(屈服)90.0 MPa13100 psiType I, 5 mm/min; ASTM D63890.0 MPa13100 psi5 mm/min; ISO 527伸长率(断裂)2.0 %2.0 %5 mm/min; ISO 5273.0 %3.0 %Type I, 5 mm/min; ASTM D638屈服伸长率2.0 %2.0 %5 mm/min; ISO 5272.5 %2.5 %Type I, 5 mm/min; ASTM D638拉伸模量5.50 GPa798 ksi5 mm/min; ASTM D6386.00 GPa870 ksi1 mm/min; ISO 527弯曲强度135 MPa19600 psi2 mm/min; ISO 178145 MPa21000 psi1.3 mm/min, 50 mm span; ASTM D790弯曲模量4.50 GPa653 ksi2 mm/min; ISO 1784.80 GPa696 ksi1.3 mm/min, 50 mm span; ASTM D790悬壁梁缺口冲击强度0.600 J/cm1.12 ft-lb/inASTM D2560.500 J/cm

@Temperature -30.0 ° C

0.937 ft-lb/in

@Temperature -22.0 ° F

ASTM D256悬壁梁无缺口冲击强度25.0 kJ/m211.9 ft-lb/in280*10*4; ISO 180/1U25.0 kJ/m2

@Temperature -30.0 ° C

11.9 ft-lb/in2

@Temperature -22.0 ° F

80*10*4; ISO 180/1U筒支梁无缺口冲击强度2.50 J/cm211.9 ft-lb/in2Edgew 80*10*4 sp=62mm; ISO 179/1eU2.50 J/cm2

@Temperature -30.0 ° C

Edgew 80*10*4 sp=62mm; ISO 179/1eU落锤总能量14.0 J

@Temperature 23.0 ° C

10.3 ft-lb

@Temperature 73.4 ° F

ASTM D3763泰伯磨损, 毫克/1000次4545CS-17, 1 kg; SABIC Method

电气性能额定值 (公制)额定值 (英制)测试方法

体积电阻率 1.00×10^{15} ohm-cm 1.00×10^{15} ohm-cmIEC 60093表面电阻 $\geq 1.00 \times 10^{15}$ ohm $\geq 1.00 \times 10^{15}$ ohmROA;
IEC 60093介电常数2.6

@Frequency 1.00×10^6 Hz

2.6

@Frequency 1.00×10^6 Hz

IEC 602502.7

@Frequency 50.0 - 60.0 Hz

2.7

@Frequency 50.0 - 60.0 Hz

IEC 60250介电强度16.0 kV/mm

@Thickness 3.20 mm

406 kV/in

@Thickness 0.126 in

in oil; IEC 60243-126.0 kV/mm

@Thickness 1.60 mm

660 kV/in

@Thickness 0.0630 in

in oil; IEC 60243-130.0 kV/mm

@Thickness 0.800 mm

762 kV/in

@Thickness 0.0315 in

in oil; IEC 60243-1耗散因数0.0020

@Frequency 1.00×10^6 Hz

0.0020

@Frequency 1.00×10^6 Hz

IEC 602500.0060

@Frequency 50.0 - 60.0 Hz

0.0060

@Frequency 50.0 - 60.0 Hz

IEC 60250相比耐漏电起痕指数(CTI)200 V200 VIEC 60112

热性能额定值 (公制)额定值 (英制)测试方法

线形热膨胀系数 - 流动30.0 $\mu\text{m/m-}^\circ\text{C}$

@Temperature 23.0 - 80.0 $^\circ\text{C}$

16.7 $\mu\text{in/in-}^\circ\text{F}$

@Temperature 73.4 - 176 $^\circ\text{F}$

ISO 11359-240.0 $\mu\text{m/m-}^\circ\text{C}$

@Temperature -40.0 - 40.0 $^\circ\text{C}$

22.2 $\mu\text{in/in-}^\circ\text{F}$

@Temperature -40.0 - 104 $^\circ\text{F}$

ASTM E 831线性热膨胀系数,横向流动50.0 $\mu\text{m/m-}^\circ\text{C}$

@Temperature -40.0 - 40.0 $^\circ\text{C}$

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

@Temperature -40.0 - 104 $^\circ\text{F}$

ASTM E 83170.0 $\mu\text{m/m-}^\circ\text{C}$

@Temperature 23.0 - 80.0 $^\circ\text{C}$

38.9 $\mu\text{in/in-}^\circ\text{F}$

@Temperature 73.4 - 176 $^\circ\text{F}$

ISO 11359-2导热系数0.260 W/m-K1.80 BTU-in/hr-ft²- $^\circ\text{F}$ ISO 8302Hot Ball Pressure Test $\leq 165^\circ\text{C}$ ≤ 329

$^\circ\text{F}$ FIEC 60695-10-2载荷下热变形温度(0.46 MPa)170 $^\circ\text{C}$ 338 $^\circ\text{F}$ Edgew 120*10*4 sp=100mm; ISO

75/Be载荷下热变形温度(1.8 MPa)160 $^\circ\text{C}$ 320 $^\circ\text{F}$ Edgew 120*10*4 sp=100mm; ISO 75/Ae171 $^\circ\text{C}$

@Thickness 3.20 mm

340 $^\circ\text{F}$

@Thickness 0.126 in

unannealed; ASTM D648维卡软化温度170 ° C338 ° FRate B/50; ISO 306180 ° C356 ° FRate B/120; ISO 306180 ° C356 ° FRate A/50; ISO 306181 ° C358 ° FRate B/50; ASTM D1525UL RTI65.0 ° C149 ° FUL 746BUL RTI , 机械冲击65.0 ° C149 ° FUL 746BUL RTI , 机械无冲击65.0 ° C149 ° FUL 746B可燃性(UL94)HB

@Thickness 1.50 mm

HB

@Thickness 0.0591 in

UL 94HB

@Thickness 3.00 mm

HB

@Thickness 0.118 in

UL 94极限氧指数23 %23 %ISO 4589灼热丝试验960 ° C

@Thickness 3.20 mm

1760 ° F

@Thickness 0.126 in

IEC 60695-2-12

材料描述 测试方法

Ball Pressure Test, 125? ° C +/- 2? ° CPASSESIEC 60695-10-2