

# Gromax CCP PBT 5615-104C 15% Glass Fiber Filled

Polymer, Thermoplastic, Polyester, TP, Polybutylene Terephthalate (PBT), Polybutylene Terephthalate (PBT), 20% Glass Fiber Filled

## Gromax

### 产品说明

Product Description: A glass fiber 15% reinforced injection molding grade. Characteristics: Excellent electrical property Excellent temperature resistance, high heat distortion temperature Excellent mechanic and chemical property Excellent weatherability Excellent wear property Excellent moldability High resistance to fuels, oil, fats and many solvents Information provided by Gromax Enterprises Corp.

物理性能	额定值 (公制)	额定值 (英制)	测试方法
比重	1.40 g/cc	1.40 g/cc	ASTM D792
水分吸收	0.0300 % @Time 86400 sec	0.0300 % @Time 24.0 hour	ASTM D570
线性成型收缩率	0.0030 - 0.0060 cm/cm @Thickness 1.60 mm	0.0030 - 0.0060 in/in @Thickness 0.0630 in	horizontal; ASTM D955
	0.0060 - 0.012 cm/cm @Thickness 1.60 mm	0.0060 - 0.012 in/in @Thickness 0.0630 in	vertical; ASTM D955
机械性能	额定值 (公制)	额定值 (英制)	测试方法
抗张强度	73.5 MPa	10700 psi	ASTM D638
伸长率 (断裂)	3.5 %	3.5 %	ASTM D638
弯曲强度	115 MPa	16700 psi	ASTM D790
弯曲模量	4.90 GPa	711 ksi	ASTM D790
悬壁梁缺口冲击强度	>= 0.588 J/cm @Thickness 6.35 mm	>= 1.10 ft-lb/in @Thickness 0.250 in	ASTM D256
电气性能	额定值 (公制)	额定值 (英制)	测试方法
体积电阻率	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
表面电阻	1.00e+13 ohm	1.00e+13 ohm	ASTM D257
介电常数	3.5 @Frequency 60.0 Hz	3.5 @Frequency 60.0 Hz	ASTM D150
介电强度	21.0 kV/mm @Thickness 2.00 mm	533 kV/in @Thickness 0.0787 in	ASTM D149
耗散因数	0.0010 @Frequency 60.0 Hz	0.0010 @Frequency 60.0 Hz	ASTM D150
耐电弧性	120 sec	120 sec	ASTM D495
相比耐漏电起痕指数(CTI)	400 V	400 V	ASTM D3638
热性能	额定值 (公制)	额定值 (英制)	测试方法
熔融温度	225 °C	437 °F	DSC
载荷下热变形温度(0.46 MPa)	210 °C	410 °F	ASTM D648
载荷下热变形温度(1.8 MPa)	195 °C	383 °F	ASTM D648
可燃性(UL94)	V-0 @Thickness 0.800 mm	V-0 @Thickness 0.0315 in	
加工性能	额定值 (公制)	额定值 (英制)	测试方法
加工温度	240 - 270 °C	464 - 518 °F	
射嘴温度	260 - 270 °C	500 - 518 °F	
模具温度	40.0 - 120 °C	104 - 248 °F	suitable temperature 60-80°C
注射压力	50.0 - 120 MPa	7250 - 17400 psi	
保压	30.0 - 80.0 MPa	4350 - 11600 psi	
背压	0.000 - 0.300 MPa	0.000 - 43.5 psi	
螺杆转速	60 - 120 rpm	60 - 120 rpm	to be chosen in such a way that plasticizing time is just within cooling time
材料描述			测试方法
注射速率	middle-fast		