

# SABIC Innovative Plastics Cycloy® C2805 PC+ABS

## Polycarbonate/ABS Alloy, Unreinforced

### SABIC Innovative Plastics (GE Plastics)

#### 产品说明

LNP\* Lubricomp\* Cycloy\* C2805 compound is a PTFE reinforced PC+ABS, wear resistant, flame retardant compound for moving components in business equipment. Medium heat performance

物理性能	额定值 (公制)	额定值 (英制)	测试方法
比重	1.22 g/cc	1.22 g/cc	ASTM D792
线性成型收缩率, Flow	0.0040 - 0.0050 cm/cm @Thickness 3.20 mm	0.0040 - 0.0050 in/in @Thickness 0.126 in	SABIC Method
线性成型收缩率, 横向	0.0030 - 0.0050 cm/cm @Thickness 3.20 mm	0.0030 - 0.0050 in/in @Thickness 0.126 in	SABIC Method
机械性能	额定值 (公制)	额定值 (英制)	测试方法
抗张强度(断裂)	51.0 MPa	7400 psi	Type I, 50 mm/min; ASTM D638
抗张强度(屈服)	62.0 MPa	8990 psi	Type I, 50 mm/min; ASTM D638
伸长率 (断裂)	110 %	110 %	Type I, 50 mm/min; ASTM D638
弯曲强度	95.0 MPa	13800 psi	2.6 mm/min, 100 mm span; ASTM D790
弯曲模量	2.72 GPa	395 ksi	2.6 mm/min, 100 mm span; ASTM D790
悬壁梁缺口冲击强度	1.33 J/cm	2.49 ft-lb/in	ASTM D256
动态摩擦系数	0.21	0.21	steel; ASTM D1894
静态摩擦系数	0.16	0.16	steel; ASTM D1894
K (wear) Factor	866 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	430 x 10 <sup>-10</sup> in <sup>3</sup> -min/ft-lb-hr	PV=2000 psi-fpm vs Self; SABIC Method
电气性能	额定值 (公制)	额定值 (英制)	测试方法
相比耐漏电起痕指数(CTI)	400 - 600 V	400 - 600 V	UL 746A
热丝引燃 (HWI)	15 - 30 sec	15 - 30 sec	UL 746A
高电弧燃烧, HAI	> = 120 arcs	> = 120 arcs	UL 746A
热性能	额定值 (公制)	额定值 (英制)	测试方法
载荷下热变形温度(1.8 MPa)	82.0 °C @Thickness 6.40 mm	180 °F @Thickness 0.252 in	unannealed; ASTM D648
UL RTI	60.0 °C	140 °F	UL 746B
UL RTI, 机械冲击	60.0 °C	140 °F	UL 746B
UL RTI, 机械无冲击	60.0 °C	140 °F	UL 746B
可燃性(UL94)	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	UL 94
	5VB @Thickness 2.49 mm	5VB @Thickness 0.0980 in	UL 94