

SABIC Innovative Plastics Cycology® C2805 PC+ABS

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Cycology-C2805-PCABS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0040 - 0.0050 cm/cm @Thickness 3.20 mm	0.0040 - 0.0050 in/in @Thickness 0.126 in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0030 - 0.0050 cm/cm @Thickness 3.20 mm	0.0030 - 0.0050 in/in @Thickness 0.126 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	51.0 MPa	7400 psi	Type I, 50 mm/min; ASTM D638
Tensile Strength, Yield	62.0 MPa	8990 psi	Type I, 50 mm/min; ASTM D638
Elongation at Break	110 %	110 %	Type I, 50 mm/min; ASTM D638
Flexural Yield Strength	95.0 MPa	13800 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	2.72 GPa	395 ksi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	1.33 J/cm	2.49 ft-lb/in	ASTM D256
Coefficient of Friction, Dynamic	0.21	0.21	steel; ASTM D1894
Coefficient of Friction, Static	0.16	0.16	steel; ASTM D1894
K (wear) Factor	866 x 10 ⁻⁸ mm ³ /N-M	430 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	PV=2000 psi-fpm vs Self; SABIC Method

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	82.0 °C @Thickness 6.40 mm	180 °F @Thickness 0.252 in	unannealed; ASTM D648
UL RTI, Electrical	60.0 °C	140 °F	UL 746B
UL RTI, Mechanical with Impact	60.0 °C	140 °F	UL 746B

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	5VB	5VB	UL 94
	@Thickness 2.49 mm	@Thickness 0.0980 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	400 - 600 V	400 - 600 V	UL 746A
Hot Wire Ignition, HWI	15 - 30 sec	15 - 30 sec	UL 746A
High Amp Arc Ignition, HAI	>= 120 arcs	>= 120 arcs	UL 746A

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China