

LNP™ LUBRICOMP™ Cypoloy_C2801

compound

Polycarbonate + ABS

SABIC Innovative Plastics

Message:

LNP™ LUBRICOMP™ CYCOLOY_C2801 compound is a 5% PTFE reinforced PC+ABS, wear resistant, flame retardant compound for moving components in business equipment. Medium heat performance

General Information	
UL YellowCard	E121562-221032
Additive	PTFE Lubricant (5%)
Features	Flame Retardant
	Good Wear Resistance
	Lubricated
	Medium Heat Resistance
Uses	Business Equipment
Processing Method	Injection Molding
Multi-Point Data	Coefficient of Thermal Expansion vs. Temperature (ASTM E831)
	Flexural DMA (ASTM D4065)
	Instrumented Impact (Energy) (ASTM D3763)
	Instrumented Impact (Load) (ASTM D3763)
	Pressure-Volume-Temperature (PVT - Zoller Method)
	Shear DMA (ASTM D4065)
	Tensile Creep (ASTM D2990)
	Tensile Fatigue
	Tensile Stress vs. Strain (ASTM D638)
	Thermal Conductivity vs. Temperature (ASTM E1530)
	Viscosity vs. Shear Rate (ASTM D3835)

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Molding Shrinkage			Internal Method
Flow : 3.20 mm	0.40 to 0.50	%	
Across Flow : 3.20 mm	0.30 to 0.50	%	
K (wear) Factor ¹	430		Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²			ASTM D638
Yield	62.1	MPa	

Break	51.7	MPa	
Tensile Elongation ³ (Break)	110	%	ASTM D638
Flexural Modulus ⁴ (100 mm Span)	2720	MPa	ASTM D790
Flexural Strength ⁵ (Yield, 100 mm Span)	95.1	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.21		
vs. Steel - Static	0.16		
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	82.2	°C	ASTM D648
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI Str	60.0	°C	UL 746
Electrical	Nominal Value		Test Method
Comparative Tracking Index (CTI)	PLC 1		UL 746
High Amp Arc Ignition (HAI)	PLC 0		UL 746
Hot-wire Ignition (HWI)	PLC 3		UL 746
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	V-0		
2.49 mm	5VB		
Injection	Nominal Value	Unit	
Drying Temperature	76.7 to 82.2	°C	
Drying Time	3.0 to 4.0	hr	
Drying Time, Maximum	8.0	hr	
Suggested Max Moisture	0.040	%	
Suggested Shot Size	30 to 80	%	
Rear Temperature	210 to 254	°C	
Middle Temperature	216 to 260	°C	
Front Temperature	227 to 274	°C	
Nozzle Temperature	232 to 274	°C	
Processing (Melt) Temp	232 to 274	°C	
Mold Temperature	48.9 to 71.1	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	40 to 70	rpm	
Vent Depth	0.038 to 0.076	mm	
NOTE			
1.	xE-10, PV=2000 psi-fpm vs Steel		
2.	Type I, 50 mm/min		
3.	Type I, 50 mm/min		

4.	2.6 mm/min
5.	2.6 mm/min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

