

KOCETAL® LW301

Acetal (POM) Copolymer
Kolon Plastics, Inc.

Message:
Locetal LW301 is special lubricant added grade for low friction, wear.

General Information			
UL YellowCard	E190675-501060		
Additive	Lubricant 3		
Features	Good Wear Resistance		
	Low Friction		
	Lubricated		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	2.0	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60%RH)	0.21	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	78		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	55.0	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	60	%	ASTM D638
Flexural Modulus (23°C)	2200	MPa	ASTM D790
Flexural Strength (23°C)	80.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	158	°C	
1.8 MPa, Unannealed	110	°C	
Melting Temperature	166	°C	
CLTE - Flow	1.3E-4	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	ASTM D257
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257

Dielectric Strength	19	kV/mm	ASTM D149
Dielectric Constant	3.70		ASTM D150
Dissipation Factor (1 MHz)	6.0E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Suggested Max Regrind	30	%	
Rear Temperature	160 to 180	°C	
Middle Temperature	180 to 190	°C	
Front Temperature	190 to 200	°C	
Nozzle Temperature	190 to 200	°C	
Processing (Melt) Temp	165 to 220	°C	
Mold Temperature	60.0 to 80.0	°C	
Injection Pressure	49.0 to 78.5	MPa	
Holding Pressure	29.4 to 49.0	MPa	
Back Pressure	0.981 to 2.94	MPa	

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

