

Titacon® CL500

Acetal (POM) Homopolymer
Titan Plastics Compounds Co., Ltd.

Message:

Titacon® CL500 is a polyoxymethylene (POM) homopolymer material. This product is available in the Asia-Pacific region.
Titacon® The main features of CL500 are:
flame retardant/rated flame
Wear-resistant
Lubrication

General Information			
Additive	Lubricant		
Features	Low friction coefficient		
	Medium liquidity		
	Good wear resistance		
	Lubrication		
Appearance	Natural color		
Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm ³	ISO 1183
Molding Shrinkage ¹ (3.00 mm)	2.0 - 2.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	60.0	MPa	ISO 527-2
Tensile Strain (Break)	> 25	%	ISO 527-2
Flexural Modulus	2650	MPa	ISO 178
Flexural Stress	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	9.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	95.0	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	2.0E+14	ohms	IEC 60093
Volume Resistivity	2.0E+14	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	170 - 200	°C	
Mold Temperature	60.0 - 100	°C	
Injection instructions			

Injection Pressure: 30 to 70% Injection Velocity: 20 to 50%

NOTE

1. 50x70x3 mm

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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

