

# Titacon® GF525

Acetal (POM) Homopolymer

Titan Plastics Compounds Co., Ltd.

## Message:

Titacon®GF525 is a polyoxymethylene (POM) homopolymer material, and its filler is 25% glass fiber reinforced material. This product is available in the Asia-Pacific region.

Titacon®The main features of GF525 are:

flame retardant/rated flame

High stiffness

high strength

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 25% filler by weight		
Features	Rigidity, high		
	High strength		
Appearance	Natural color		
Physical	Nominal Value	Unit	Test Method
Density	1.59	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>1</sup> (3.00 mm)	0.30 - 0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	140	MPa	ISO 527-2
Tensile Strain (Break)	> 3.0	%	ISO 527-2
Flexural Modulus	8400	MPa	ISO 178
Flexural Stress	190	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	8.0	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	170	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+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

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