

MAJORIS CETAL DG215

Acetal (POM) Copolymer

AD majoris

Message:

CETAL DG215 is a 25% glass fibre reinforced polyoxymethylen (POM), intended for injection moulding.

APPLICATIONS

The product is available in both natural but other colours can be provided on request.

CETAL DG215 has been developed especially for the automotive applications and electrical components.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 25% filler by weight		
Features	Recyclable materials		
Uses	Electrical components		
	Application in Automobile Field		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.58	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ISO 1133
Water Absorption			ISO 62
Saturated, 23°C	0.50	%	ISO 62
Equilibrium, 23°C, 50% RH	0.18	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8100	MPa	ISO 527-2
Tensile Stress (Yield)	115	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.0	%	ISO 527-2/1A/50
Flexural Modulus	7350	MPa	ISO 178
Flexural Stress	160	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	6.5	kJ/m ²	ISO 179
23°C	6.7	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	40	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	159	°C	ISO 75-2/A
Vicat Softening Temperature	157	°C	ISO 306/B

Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	40	kV/mm	IEC 60243-1
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 - 210	°C	
Mold Temperature	80.0 - 110	°C	
Injection Pressure	60.0 - 200	MPa	
Back Pressure	0.00 - 2.00	MPa	
Injection instructions			

Holding pressure: equal injection pressure

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Recommended distributors for this material

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