

Technical Data Sheet

performanceplastics

Kocetal GF706

Glass fibre reinforced for high strength and stiffness

Property		Test Method (ASTM)	Units	Grade	
				GF Reinforced	
		GF 706			
Physical	Specific Gravity	D 792	-	1.64	
	Water Absorption	D 570	%	0.2	
Thermal	Melt Index 190°C	D 1238	g / 10 min	9.0	
	Melting Point	DSC Method	°C	166	
	HDT	0.45 MPa	D 684	°C	165
		1.82 MPa		°C	164
	Coeff.Linear Thermal Expansion		D 696	X10 ⁻⁵ / °C	2.5
	Vicat Softening Temperature		D1525	°C	-
Flammability		UL-94	-	HB	
Mechanical	Tensile Strength		D 638	MPa	150
	Tensile Elongation		D 638	%	6
	Flexural Strength		D 790	MPa	230
	Flexural Modulus		D 790	MPa	8200
	Notched Izod Impact		D 256	J/m	80
	Rockwell Hardness		D 785	-	M90
Electrical	Dielectric Strength (3mm t)		D 149	kV/m	19
	Volume Resistivity		D 257	ΩX10 ¹⁴ Ω.cm	1
	Dielectric Constant		D 150	-	3.7
	Dissipation Factor		D150	-	0.006
	Mould Shrinkage	(3mmt)	D955	%	0.5

The values quoted are the average of results obtained under laboratory conditions and are given only as an indication to enable customers to make use of our products. Prospective users should determine the suitability of materials before adopting them on a commercial scale.

Features

- Excellent thermal stability
- High Stiffness and strength
- Excellent chemical resistance
- Easy Processing

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Kocetal®
 Acetal Copolymer