



PRODUCT INFORMATION

Glass Fiber Reinforced Grade

KOCETAL[®] GF702

Kocetal GF702 is glass fiber reinforced grade for high strength and stiffness.

Property	Test Method	Units	Value
Physical			
Melt Index	ASTM D1238	g/10min	14.0~17.0
Specific Gravity	ASTM D792	-	1.49
Water Absorption 23°C, Equilibrium 60%RH	ASTM D570	%	0.22
Thermal			
Melting Point	ASTM D1525	°C	166
Heat Deflection Temperature	ASTM D648		
HDT/A 4.6kg/cm ² (0.45MPa)		°C	165
HDT/A 18.6kg/cm ² (1.81MPa)		°C	160
Vicat Softening Temperature	ASTM D1525	°C	162
Coeff. Of Linear Thermal Expansion	ASTM D696	x 10 ⁻⁵ cm/cm·°C	5~7
Flammability	UL 94		HB
Mechanical			
Tensile Strength 23°C	ASTM D638	kg/cm ² (MPa)	800 (78)
Tensile Elongation 23°C	ASTM D638	%	6
Flexural Strength 23°C	ASTM D790	kg/cm ² (MPa)	1300 (127)
Flexural Modulus 23°C	ASTM D790	kg/cm ² (MPa)	40000 (3920)
Notched Izod Impact Strength 23°C	ASTM D256	kg·cm/cm (J/m)	5 (49)
Rockwell Hardness M scale	ASTM D785	-	85
Electrical			
Surface Resistivity	ASTM D257	x 10 ¹⁶ Ω	1
Volume Resistivity	ASTM D257	x 10 ¹⁴ Ω·m	1
Dielectric Strength	ASTM D149	kV/mm	21
Dielectric Constant	ASTM D150	-	-
Dielectric Dissipation FactorConstan 10 ⁶ Hz	ASTM D150	-	-
Arc Resistance 10 ⁶ Hz	ASTM D495	sec	-



[KOLON Industries Inc.](http://www.kolon.com)

