

# Kepital® FC2010DX

Acetal (POM) Copolymer

KEP Americas

## Message:

Carbon fiber filled conductive grade. FC2010DX is suitable for application that is required of high mechanical strength and conductivity. In addition, FC2010DX is very stable in various chemicals, making it ideal for automotive and industrial applications.

General Information	
Filler / Reinforcement	Carbon Fiber, 10% Filler by Weight
Features	Chlorine Resistant
	Conductive
	Copolymer
	Fuel Resistant
	High Strength
	Oil Resistant
Uses	Automotive Applications
	Industrial Applications

Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)	4.0	g/10 min	ISO 1133
Molding Shrinkage - Flow (3.00 mm)	0.50 to 0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	110	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	6.0	%	ISO 527-2
Flexural Modulus (23°C)	8700	MPa	ISO 178
Flexural Stress (23°C)	150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m <sup>2</sup>	ISO 179/1eA
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4	ohms	IEC 60093
Volume Resistivity	1.0E+3	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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