KOCETAL® CF302

Acetal (POM) Copolymer

Kolon Plastics, Inc.

Message:

Kocetal CF302 is carbon fiber reinforced grade for high stiffness and electrical conductivity.

General Information			
Filler / Reinforcement	Carbon fiber reinforced material		
Features	Conductivity Rigidity, high		
RoHS Compliance	RoHS compliance		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.43	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.90	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.22	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (M-Scale)	87		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (23°C)	105	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.5	%	ASTM D638
Flexural Modulus (23°C)	9780	MPa	ASTM D790
Flexural Strength (23°C)	155	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	3.0	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648A
0.45 MPa, not annealed	164	°C	ASTM D648A
1.8 MPa, not annealed	160	°C	ASTM D648A
Melting Temperature	166	°C	ASTM D1525
CLTE - Flow	6.0E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+3	ohms	ASTM D257
Volume Resistivity	1.0E+2	ohms·cm	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94

infringement occurs, please contact us immediately.

Recommended distributors for this material

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