KOCETAL® VT702

Acetal (POM) Copolymer

Kolon Plastics, Inc.

Message:

Kocetal VT702 is a very easy-flow grade with improved antistatic effects

General Information			
Additive	Antistatic		
Features	Antistatic Good Flow		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.41	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	27	g/10 min	ASTM D1238
Molding Shrinkage - Flow	2.0	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60%RH)	0.22	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (M-Scale)	80		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield, 23°C)	64.0	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	60	%	ASTM D638
Flexural Modulus (23°C)	2600	MPa	ASTM D790
Flexural Strength (23°C)	93.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	56	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	158	°C	
1.8 MPa, Unannealed	110	°C	
Melting Temperature	166	°C	
CLTE - Flow	1.3E-4	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+12	ohms	ASTM D257
Volume Resistivity	1.0E+10	ohms·cm	ASTM D257
Dielectric Strength	19	kV/mm	ASTM D149
Dielectric Constant	3.70		ASTM D150

Dissipation Factor (1 MHz)	0.060		ASTM D150
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Suggested Max Regrind	30	%	
Rear Temperature	160 to 180	°C	
Middle Temperature	180 to 190	°C	
Front Temperature	190 to 200	°C	
Nozzle Temperature	190 to 200	°C	
Processing (Melt) Temp	165 to 220	°C	
Mold Temperature	60.0 to 80.0	°C	
Injection Pressure	49.0 to 78.5	MPa	
Holding Pressure	29.4 to 49.0	MPa	
Back Pressure	0.981 to 2.94	MPa	

Recommended distributors for this material

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