

Kepital® FV-30A

Acetal (POM) Copolymer

Korea Engineering Plastics Co., Ltd

Message:

An easy-flowing grade for injection molding of anti-static purpose.

General Information			
UL YellowCard	E120354-220460		
Additive	Antistatic		
Features	Antistatic		
	Fatigue Resistant		
	Good Chemical Resistance		
	Good Creep Resistance		
	Good Moldability		
	Good Thermal Stability		
	Good Wear Resistance		
	High Flow		
	Low Viscosity		
Uses	Audio Tapes		
	Automotive Applications		
	Electrical Parts		
	Electronic Data Processing		
	Industrial Parts		
	Machine/Mechanical Parts		
	Video Cassettes		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			
190°C/2.16 kg	30	g/10 min	ASTM D1238
--	29	g/10 min	ISO 1133
Molding Shrinkage			
Flow : 3.00 mm	2.0	%	ASTM D955
3.00 mm	2.0	%	ISO 294-4
Water Absorption (Equilibrium, 23°C)	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	60.0	MPa	ASTM D638
Yield, 23°C	63.0	MPa	ISO 527-2
Tensile Elongation (Break, 23°C)	40	%	ASTM D638
Nominal Tensile Strain at Break (23°C)	25	%	ISO 527-2
Flexural Modulus			
23°C	2600	MPa	ASTM D790
23°C	2580	MPa	ISO 178
Flexural Stress			
23°C	88.0	MPa	ISO 178
Yield, 23°C	88.0	MPa	ASTM D790
Shear Strength	55.0	MPa	ASTM D732
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact (3.20 mm)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	158	°C	ASTM D648
1.8 MPa, Unannealed	110	°C	ASTM D648
1.8 MPa, Unannealed	97.0	°C	ISO 75-2/A
Melting Temperature	165	°C	
CLTE - Flow (20 to 80°C)	1.3E-4	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+13	ohms	ASTM D257
--	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+12	ohms·cm	ASTM D257
Dielectric Strength	19	kV/mm	ASTM D149, IEC 60243-1
Dielectric Constant (1 MHz)	3.70		ASTM D150
Dissipation Factor (1 MHz)	7.0E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT