

Kepital® ET-20H

Acetal (POM) Copolymer

Korea Engineering Plastics Co., Ltd

Message:

Kepital® ET-20H is an Acetal (POM) Copolymer material. It is available in Asia Pacific, Europe, or North America.

Important attributes of Kepital® ET-20H are:

Carbon Black

Chemical Resistant

Conductive

Creep Resistant

Fatigue Resistant

Typical applications include:

Electrical/Electronic Applications

Engineering/Industrial Parts

Automotive

General Information			
UL YellowCard	E120354-220439		
Additive	Carbon Black		
Features	Electrically Conductive		
	Fatigue Resistant		
	Good Chemical Resistance		
	Good Creep Resistance		
	Good Flow		
	Good Moldability		
	Good Stiffness		
	Good Thermal Stability		
	Good Wear Resistance		
	Good Weather Resistance		
Uses	Automotive Applications		
	Electrical Parts		
	Electronic Data Processing		
	Industrial Parts		
	Machine/Mechanical Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.6	%	ASTM D955
Water Absorption (24 hr)	0.22	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method

Tensile Strength	53.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	4320	MPa	ASTM D790
Flexural Strength	84.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	48	J/m	ASTM D256
Tensile Impact Strength (1.60 mm)	48.3	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	153	°C	
1.8 MPa, Unannealed	111	°C	
Melting Temperature	165	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2	ohms	ASTM D257

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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

