

Kepital® F20-52U

Acetal (POM) Copolymer

Korea Engineering Plastics Co., Ltd

Message:

Kepital® F20-52U is an Acetal (POM) Copolymer material. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of Kepital® F20-52U are:

Flame Rated

Good UV Resistance

Impact Resistant

Medium Viscosity

Typical application of Kepital® F20-52U: Outdoor Applications

General Information			
UL YellowCard	E120354-220443	E120354-220441	
Features	Good Impact Resistance		
	Good UV Resistance		
	Medium Viscosity		
Uses	Outdoor Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Water Absorption (Equilibrium)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	45.0	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	25	%	ASTM D638
Flexural Modulus (23°C)	1800	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	61.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	95.0	°C	ASTM D648
Melting Temperature	165	°C	DSC
CLTE - Flow (20 to 80°C)	1.3E-4	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	ASTM D257
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm)	HB		UL 94

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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

