

KEP KEPITAL® F20-02

KEP KEPITAL® F20-02 is a copolymer product of polyoxymethylene (POM) manufactured by KEP KEPITAL.

Physical property		Standard	Value	Unit
Density		ASTM D792	1.41	g/cm³
Melt Index		ASTM D1238	9	g/10min
Hardness		Standard	Value	Unit
Rockwell Hardness	M(Scale)	ASTM D785	80	
Mechanical behavior		Standard	Value	Unit
Tensile Strength	23°C	ASTM D638	61	MPa
Elongation	23°C	ASTM D638	60	%
Flexural Strength	23°C	ASTM D790	90	MPa
Flexural Modulus	23°C	ASTM D790	2600	MPa
Izod Notch Impact	23°C	ASTM D256	64	J/m
Shearing Strength		ASTM D790	55	MPa
Thermal		Standard	Value	Unit
HDT	Unannealed 0.45MPa	ASTM D648	158	°C
HDT	Unannealed 1.8MPa	ASTM D648	110	°C
Melting Temperature			165	°C
CLE	Flow	ASTM D696	1.3E-4	cm/cm/°C
Electrical properties		Standard	Value	Unit
Volume Resistivity		ASTM D257	1E9	Ω.cm
Surface Resistivity		ASTM D257	1E16	Ω
Dielectric Strength		ASTM D149	27	KV/mm
Dielectric Constant	1 MHz	ASTM D150	3.7	
Dissipation Factor	1 MHz	ASTM D150	0.007	
Flammability		Standard	Value	Unit
Flame Rating	All Color 0.75mm	UL94	HB	
Flame Rating	All Color 1.5mm	UL94	HB	
Flame Rating	All Color 3.0mm	UL94	HB	
Flame Rating	All Color 6.0mm	UL94	HB	