

# Kepital F40-03

An extremely easy-flowing grade for injection molding of thin walled precision parts.

It has improved on thermal stability.

	Properties	Test condition	Method	Unit	Value
Physical	Density		ISO 1183	g/cm <sup>3</sup>	1,41
	Melt Flow Rate		ISO 1133	g/10min	45
	Molding Shrinkage (Flow Direction)	t 3mm, Ø 100mm	KEP Method	%	2
	Thermal	Heat Deflection Temperature (HDT)	1.8 MPa	ISO 75-1,2	°C
Flammability			UL94	Class	HB
Mechanical	Tensile Strength	23°C	ISO 527-1,2	MPa	65
	Flexural Strength	23°C	ISO 178	MPa	93
	Flexural Modulus	23°C	ISO 178	MPa	2.750
	Charpy Notched Impact Strength		ISO 179/1eA	kJ/m <sup>2</sup>	5
	Nominal Strain at Break	23°C	ISO 527-1,2	%	20
Electrical	Surface Resistivity		IEC 60093	Ω	1 × 10 <sup>16</sup>
	Volume Resistivity		IEC 60093	Ω cm	1 × 10 <sup>14</sup>
	Dielectric Strength		IEC 60243-1	kV /mm	19

All values are approximate values and are given after the best knowledge and conscience. Hence, because of variable processing terms or processing procedures an obligation cannot be derived from it.

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