

Kepital MX30BT01

An easy-flowing standard grade for injection molding thin-walled part and high cycle that meets the regulatory affairs for medical application.

	Properties	Test condition	Method	Unit	Value
Physical	Density		ISO 1183	g/cm ³	1,41
	Melt Flow Rate		ISO 1133	g/10min	28
	Molding Shrinkage (Flow Direction)	t 3mm, Ø 100mm	KEP Method	%	2
	Thermal	Heat Deflection Temperature (HDT)	1.8 MPa	ISO 75-1,2	°C
Mechanical	Tensile Strength	23°C	ISO 527-1,2	MPa	65
	Flexural Strength	23°C	ISO 178	MPa	90
	Flexural Modulus	23°C	ISO 178	MPa	2.600
	Charpy Notched Impact Strength		ISO 179/1eA	kJ/m ²	5
	Nominal Strain at Break	23°C	ISO 527-1,2	%	18
Electrical	Surface Resistivity		IEC 60093	Ω	1x 10 ¹⁶
	Volume Resistivity		IEC 60093	Ω cm	1x 10 ¹⁴
	Dielectric Strength		IEC 60243-1	kV /mm	19