KEPITAL FG2025

A medium-high viscosity grade for general injection molding. It was reinforced with glass fiber, and so suitable for parts requiring very high stiffness, fatigue resistance, creep resistance and heat resistance.

	Properties	Test condition	Method	Unit	Value
Physical	Density		ISO 1183	g/cm³	1,59
	Melt Flow Rate		ISO 1133	g/10min	7
	Molding Shrinkage (Flow Direction)	t 3mm, Ø 100mm	KEP Method	%	0,5
Thermal	Heat Deflection Temperature (HDT)	1.8 MPa	ISO 75-1,2	˚C	162
	Flammability		UL94	Class	HB
Mechanical	Tensile Strength	23˚C	ISO 527-1,2	MPa	160
	Strain at Break	23˚C	ISO 527-1,2	%	3
	Flexural Strength	23˚C	ISO 178	MPa	220
	Flexural Modulus	23˚C	ISO 178	MPa	8.250
	Charpy Notched Impact Strength		ISO 179/1eA	kJ/m²	8
Electrical	Surface Resistivity		IEC 60093	Ω	1×10^{16}
	Volume Resistivity		IEC 60093	Ω • cm	1×10^{14}
	Dielectric Strength		IEC 60243-1	kV /mm	23