

< Specification Data >

Polyacetal Resin "Iupital F40-03 "

* Basic grade, low viscosity



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Properties	Test Methods	Units	Values
Physical Properties			
Density	ISO 1183	g/cm ³	1.41
Water Absorption (23°C / 60%RH)		%	0.22
Rheological Properties			
Melt Mass-flow Rate (190°C, 2.16kg)	ISO 1133	g/10min	52
Melt Volume-flow Rate (190°C, 2.16kg)		cm ³ /10min	45
Molding Shrinkage (3mmt)		%	2.0
Mechanical Properties			
Tensile Modulus	ISO 527-1	MPa	2900
Yield Stress	ISO 527-2		64
Yield Strain		%	7.0
Nominal Strain at Break			20
Flexural Strength	ISO 178	Mpa	91
Flexural Modulus			2700
Charpy Impact Strength (23°C)	ISO 179-1	kJ/m ²	100
Charpy Notched Impact Strength (23°C)	ISO 179-2		5.0
Thermal Properties			
Melting Temperature	ISO 11357-3	°C	166
Temperature of Deflection Under Load (1.80MPa) (0.45MPa)	ISO 75-1	°C	105
	ISO 75-2		156
Coefficient of Linear Thermal Expansion (MD) (TD)	ISO 11359-2	1/°C	1.1E-04
			1.1E-04
Flammability	UL94		HB (0.8mmt)
Electrical Properties			
Relative Permittivity (100Hz)	IEC 60250		3.9
(1MHz)			3.9
Dissipation Factor (100Hz)			0.002
(1Mhz)			0.007
Volume Resistivity	IEC 60093	Ω·m	1E+12
Surface Resistivity		Ω	1E+16
Electric Strength (1mmt)	IEC 60243-1	MV/m	32
(3mmt)			19
Comparative Tracking Index	IEC 60112		600

All data in this table are typical values obtained under MEP's standard test methods, and may not be applicable for those which are used under different conditions. These are not intended for warranty of customer's production achievement.