

Technical Specification

BUC225

Acetal Copolymer / POM General Grade

Properties	Test method	Unit	M90
Specific Gravity	ISO 1183	g / cm ³	1.41
Tensile Strength	ISO 527-1,2	MPa	62
Tensile Elongation	ISO 527-1,2	%	35
Tensile Modulus	ISO 527-1,2	MPa	2,700
Flexural Strength	ISO 178	MPa	87
Flexural Modulus	ISO 178	MPa	2,500
Charpy Impact Notch Side	ISO 179 / 1eA	KJ / m ²	6.0
Deflection Temperature under load (1.8MPa)	ISO 75-1,2	°C	95
Coefficient of Linear Thermal Expansion (Flow) 23~55°C	ISO 11359-2	x 10 ⁻⁵ / °C	12
Coefficient of Linear Thermal Expansion (Vertical) 23~55°C	ISO 11359-2	x 10 ⁻⁵ / °C	12
Dielectric Strength (Short-time test:3mmt) (3mmt)	IEC 60243-1	kV/mm	19
Volume Resistivity	IEC 60093	Ω.cm	1 x 10 ¹⁴
Surface Resistivity	IEC 60093	Ω	1 x 10 ¹⁶
Flammability UL94	UL94		HB
Static Charge Half Life(20°C, 65%RH)		Sec	> 50
Arc Resistance		Sec	240
Comparative Tracking Index (CTI)		V	600+
UL Temperature Index			105~110
Electrical		°C	
Mechanical with Impact		°C	90~95
Mechanical without Impact		°C	90~100

Note : All figures in this table are the typical values of the material and not the minimum value of the material specifications.

PLEASE NOTE:

For care and cleaning Instructions, please contact Kayospruce Ltd.
Colours may vary slightly from different batches.