

Acetal Co-Polymer Blue FG Rod

Extruded

Blue Food Grade

Technical Sheet



	Test	Unit	Value
Density	ISO 1183	g/cm ³	1.41
Moisture pick-up till saturation (in normal climate 23 °C)	ISO 62	%	0.2
Water absorption till saturation (in water at 23 °C)	ISO 62	%	0.8
Tensile stress at yield (v = 50 mm/min)	ISO 527-2	N/mm ²	63
Tensile stress at break (v = 5 mm/min)	ISO 527-2	N/mm ²	63
Nominal percentage elongation at break	ISO 527-2	%	31
Tensile modulus of elasticity	ISO 527-2	N/mm ²	2600
Flexural modules of elasticity	ISO 178	N/mm ²	2500
Ball indentation hardness (value at 30 s)	ISO 2039-1	N/mm ²	140
Rockwell hardness	ISO 2039-2	-	M 84
Charpy impact strength (23 °C)	ISO 179/1eU	kJ/m ²	220
Charpy impact strength - notched (23 °C)	ISO 179/1eA	kJ/m ²	8
Temperature for using in air (maximum):	Max. short term	°C	140
Temperature for using in air (maximum)	Max. lasting	°C	105
Temperature for using in air (minimum)	-	°C	-40
Heat distortion temperature (HDT A process)	ISO 75-2	°C	96
Coefficient of linear expansion, at length (23-60)°C:	DIN 53752	1/K	1.1·10 ⁻⁴
Thermal conductivity (23 °C)	DIN 52612	W/(K·m)	0.31
Flammability according UL standard	UL 94	Grade	HB
Vicat softening temperature (VST/B/50)	ISO 306	°C	150
Melting point DSC (10 K/min)	ISO 3146	°C	165
Specific volume resistivity	IEC 60093	Ω·m	1013
Specific surface resistivity	IEC 60093	Ω	1013

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Dielectric factor (at 1 MHz)*	IEC 60250	-	3.8
Dielectric factor (at 100 Hz)*	IEC 60250	-	3.8
Dissipation factor (at 1 MHz)*	IEC 60250	-	0.008
Dissipation factor (at 100 Hz)*	IEC 60250	-	0.003
Dielectric strength K20/K20*	IEC 60243-1	kV/mm	20
Comparative tracking index (CTI)	IEC 60112	-	600

All The above information is for guide purposes only. The data has been taken from standard test results provided by manufactures.