

K100

INJECTION MOULDING PLASTIC



Description

K100 injection moulding plastic used for HoseTag / ChainTag / Sleeve holder / Round label holder.

Physical data

PHYSICAL

Typical	Condition	Standard	Unit	Value
Density		ISO 1183	g / cm ³	1.14
Water absorption	T=23°C / sat	ISO 62	%	10

MECHANICAL

Tensile modulus	1 mm / min	ISO 527	MPa	3100
Tensile strain at break	50 mm / min	ISO 527	%	50
Tensile stress at yield	50 mm / min	ISO 527	MPa	85
Flexural modulus	2 mm / min	ISO 178	MPa	2700
Izod impact notched	+23 °C	ISO 180/1A	kJ / m ²	5

THERMAL

Melting point		DSC	°C	220
HDT	0.45 MPa	ISO 75	°C	180
HDT	1.80 MPa	ISO 75	°C	70
Vicat softening point	50°C/h-50N	ISO 306	°C	205

ELECTRICAL

Volume resistivity		IEC 93	Ohm cm	10 ¹⁵
Surface resistivity		IEC 93	Ohm	10 ¹³
CTI	Solution A	IEC 112	V	600

FLAMMABILITY

Flammability	0.8 mm	UL94	Class	V2
Flow wire test	1 – 3 mm	CEI 695-2-1	°C	750-850

Disclaimer

Values shown in this document are averages only. For legal reasons, we emphasize that the information on this data is available as is and that Altec gives no guarantees with respect to the accuracy and completeness nor with respect to interpretations made on the basis of this information.