



Magnetic Tape Specifications Datasheet

25mm and 50mm Magnetic Tape	TEST METHOD	HE1.4
MAGNETIC PROPERTIES		
MAXIMUM ENERGY PRODUCT(x10° Gauss Oersteds)	HYSTERESIS	1.35
RESIDUAL INDUCTION (Br) (Gauss)	HYSTERESIS	2300
COERCIVE FORCE (Hc) (Oersteds)	HYSTERESIS	2040
INTRINSIC COERCIVE FORCE (Hci) Oersteds)	HYSTERESIS	3350
THERMAL COEFFICIENT OF MAGNETIZATION (%/°F)		-.1
THERMAL COEFFICIENT OF COERCIVITY (%/°F)		-0.09
MECHANICAL PROPERTIES		
DENSITY (g/cc)	ASTM D-792	3.65
DUROMETER	Shore D	60
TENSILE STRENGTH (psi)	ASTM D-412	1125
ELONGATION @ BREAK (%)	ASTM 412	100
STIFFNESS (psi @ .090")	ASTM D-747	9050
THERMAL PROPERTIES		
THERMAL COEFFICIENT OF LINEAR EXPANSION (x10.5/°C)	ASTM D-696	4.8
MAXIMUM CONTINUOUS OPERATING TEMPERATURE (°F)		175
FLAMMABILITY – VERTICAL	UL94	N/A
FLAMMABILITY – HORIZONTAL	UL94	HB
ELECTRICAL PROPERTIES		
VOLUME RESISTIVITY (OHMS CM X 10 ¹³)	ASTM D-257	1.1
DIELECTRIC STRENGTH (VOLTS/MIL)	ASTM D-149	225

1" width x 0.045" thickness x 150' length (2.54cm x 0.1143cm x 45.72m)

2" width x 0.045" thickness x 150' length (5.08cm x 0.1143cm x 45.72m)

All data provided is based on laboratory tests. However, these test results are intended for reference only and are not recommended for product specification purposes. Test results do not express or imply any type of warranty.