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VKMAGT Magnetic Tape

TECHNICAL DATA SHEET FOR STANDARD MAGNETIC EXTRUSIONS

MAGNETIC PROPERTIES

MAX. ENERGY PRODUCT (X10° Gauss Oersteds)----------0.65 MGOe
RESIDUAL INDUCTION (Br) (Gauss)----------1625 GAUSS
COERCIVE FORCE (Hc) (Oersteds)----------1380 Oe
INTRINSIC COERCIVE FORCE (Hci) (Oersteds)----------2400
THERMAL COEFFICIENT OF MAGNETISATION (%/°F)------ - 0.1
THERMAL COEFFICIENT OF COERCIVITY (%/°F)---------- -0.09

MECHANICAL PROPERTIES

DENSITY(g/cc)----------3.59
DUROMETER----------65
TENSILE STRENGTH (PSI)----------1040
ELONGATION @ BREAK (%)----------125
STIFFNESS (PSI @ 0.090°)----------8030

THERMAL PROPERTIES

THERMAL COEFFICIENT OF LINEAR EXPANSION (x10 /°C)--------4.6
MAX. CONTINUOUS OPERATING TEMP. (°F)----------175

ELECTRICAL PROPERTIES

VOLUME RESISTIVITY (OHMS CM X 10)----------4.0
DIELECTRIC STRENGTH (VOLTS/MIL)----------250

*ALL MAGNETS MAGNETIC EXTRUSIONS ARE PRODUCED AND QUALITY CONTROLLED UNDER ISO 9002.

Adhesive Features

Features:

- A clear pet film with high-performance adhesive, provides excellent long-term bonding.
- Strong holding power.
- Suitable for high temperatures use. It can withstand environments conditions.
- Tear resistant liner for die-cut application.

Main application fields: bonding of plastic, metal, wood substrates. Widely used in automotive, furniture, and electronic industry.

Technical Data:

Property	Test Method	Normal	Min
Liner Type		MOPP Film	
Backing		PET 12u	
Adhesive Type		Modified Acrylic	
Total Thickness (mil/mm)	ASTMD 1000	8.3/0.21	8.0/0.20
Initial Tack (Ball No.)	JIS Z0237-12	16↑	12↑
Static Shear Temperature (80°C x 1kg x 168 hrs)(200°C x 1kg x 1hr)	JIS Z0237-11	1.0	1.2
Tensile Strength (kg/25mm)(lb)	ASTMD 1000	6.5/14.3	
Peel Adhesion on Different Surface (N/25mm)		After 15 min	
		Standard	Normal
Stainless Steel	ASTMD 1000	20	25
PC			23
ABS		18	22
PET			21
PVC			23
PE			20
PP		16	20
Temperature Resistance (°C/°F) Short Term (200°C)	PSTC-708	-40~50/-40~300	

Size:

Tape Length (M)	50 / 700
Tape Width (mm)	0～1040 available

NOTE : The above data should be considered representative only and should not be used for specification purposes.