



Three Bond International, Inc.

Technical Data Sheet

TB1786 – CYANOACRYLATE ADHESIVE

Information

TB1786 is an ethyl, medium viscosity type instant adhesive which provides a fast cure for wood substrates.

Typical Properties

1. Uncured State

Properties	Units	Value
Appearance	-	Clear transparent liquid
Viscosity	mPa • s (cP)	150 (150)
Specific gravity	-	1.05
Set time Steel/Steel	Second	5
Set time NBR/NBR		3

2. Cured Material

Properties		Units	Value
Shear Strength	Steel/Steel	MPa (kgf/cm ²)	18.0 (184)
	Al/Al		13.0 (133)
	Stainless/Stainless		12.9 (132)
	Cu/Cu		9.1 (93)
	Brass/Brass		10.1 (103)
	Hard PVC		Material Failure
	6-Nylon		5.9 (60)
	ABS		Material Failure
	PPS		4.0 (41)
Break Down Voltage		MV/m (kV/mm)	30 (30)
Volume Resistivity		$\Omega \bullet m$	6.0×10^{11}
Surface Resistivity		—	5.0×10^{14}
Flash point		°C	90
Dielectric Loss Tangent	1MHz	—	0.027
	1kHz		0.01050
	50HZ		0.1211
Dielectric Constant	1 MHz	—	2.873
	1 kHz		3.345
	50 HZ		3.592

These are typical results not product specifications.