



Three Bond International, Inc.

Technical Data Sheet

TB1783 CYANOACRYLATE ADHESIVE

Information

TB1783 is an ethyl, high viscosity, and high impact resistant cyanoacrylate adhesive. It bonds well at high temperatures.

Application

TB1783 can be used for bonding speaker frames and magnets, coil terminals, insulators, plastics, and metals parts.

Typical Properties

1. Uncured State

Properties	Units	Value
Appearance	-	Clear transparent liquid
Viscosity	mPa • s (cP)	800(800)
Specific gravity	-	1.05
Set time Steel/Steel	Second	10
Set time NBR/NBR		5

2. Cured Material

2-1. Lap shear strength

Substrate	Units	Value
Steel/Steel	MPa(kgf/cm ²)	25.0 (255)
Aluminum/Aluminum		18.0 (184)
Stainless Steel/ Stainless Steel		17.6 (179)
Copper/Copper		12.9 (132)
Brass/Brass		16.1 (164)
Hard PVC/ Hard PVC		MF
PVC/PVC		MF
Phenol Resin/Phenol Resin		MF
Nylon 6/Nylon 6		5.0 (51)
ABS/ABS		MF
Glass Epoxy/Glass Epoxy		12.1 (123)
PBT/PBT		1.8 (18)
PPO/PPO		5.9 (60)
PPS/PPS		3.4 (34)
HIPS/HIPS		MF
Acryl/Acryl		MF
Polyacetal/Polyacetal		1.7 (17)
Polystyrene/Polystyrene		MF

MF - Material failure

2-2. Impact strength

Substrate	Units	Value
Steel/Steel	kJ/m ² (kgf cm/cm ²)	11 (11)

3. Military Specification

MIL-A- 46050C, Type II, Class 3

These are typical results not product specifications.