TS4884 5/29/18

BONDING STUDY

PRODUCTS TESTED

ITW Formex

Formex GK Polypropylene electrical insulation materials
Statex Static Dissipative electrical insulation material

Statex 10 (White)
Formex GK-10 (White), Formex GK-10BK (Black), Formex GK-17BK (Black), Formex GK-30BK (Black),

SETUP AND TESTING

Adhesive systems (per chart below) were backed with 1 mil PET film (liner-side for double-coated products) and trimmed to 1" width for testing. Formex Adhesives applied to unmarked side (side opposite logo) of Formex substrates and untreated side of Statex substrate and dwelled for 72 hours at room temperature and tested for 180° Peel @ 12"/minute

RESULTS TABLE

		Statex 10 (White)	Formex GK-10 (White)	Formex GK_ 10BK (Black)	Formex GK-17BK (Black)	Formex GK-30BK (Black)
Unsupported	4628	3.9	2.1	2.0	1.7	2.1
	7332	2.6	3.7	3.4	3.3	3.2
	7334	3.9	4.4	4.3	4.2	4.2
	7832	1.9	2.5	2.3	2.5	2.5
	7744	6.9 50% COH	7.5 COH	8.1 COH	6.7 COH	6.9 COH
Double Sided [Exposed-side to substrate]	2016M	7.0 COH	6.9 COH	7.2 COH	7.0 COH	6.4 COH
	254M	1.3	2.2	2.4	2.2	2.2
	353M	3.0	3.8	4.0	3.8	4.0
	488M	2.7	3.3	3.1	2.9	2.9
	654M	3.8	4.6	4.5	4.3	4.4
	6849M	1.2	4.7	4.7	4.4	4.4

STATEX material test on Un-treated side of customer-supplied samples
FORMEX materials tested to side opposite of Logo
All products removed “Clean Peel” (Adhesively) unless noted
E/S = Exposed (Unwind) Side
COH = Cohesive Failure (Splitting of adhesive layer between substrate and backing material)