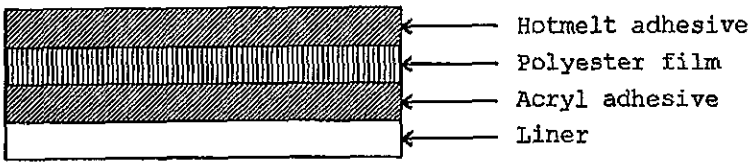
COMPOSITE DOUBLE-COATED ADHESIVE SHEET

PROPOSAL OF MODIFIED M-5213SS

Thank you very much for your constant patronage of our products.
We propose the prototype of modified composite double-coated adhesive sheet M-5213SS

1. Construction



2. Test Samples

. Prototype product
. Nitto's existing product

2.1 180° peeling adhesive strength on various substrates

. Tape width: 20 mm
. Substrate: Stainless steel, PP, Duracon, PBT
. Contact bonding conditions:
Once to and fro rolling with a 2 kg roller (start measurement after holding for 30 minutes)
. Test environmental conditions: 23°C, 65%RH
. Stretching speed: 300 mm/min

2.2 Holding Strength

. Tape application area: 10 x 20 mm
. Contact-bonding conditions: Contact-bonding with a hand roller
. Test environment temperature: 40°C
. Load: 500 g

Measure the deviation distance for 2 hours.

2.3 Constant Load Peeling

. Tape width: 20 mm
. Substrate: PP, Duracon, PBT
. Contact-bonding conditions: Once to and fro rolling with a 2 kg roller (start measurement after holding for 30 minutes)
. Test environmental conditions: 23°C, 65%RH
. Load: 100 g

Measure the peeling distance for 24 hours.

2.4 Release Paper (Liner) Peeling Force

. Width of release paper: 50 mm
. Test environmental conditions: 23°C, 65%RH
. Stretching speed: 300 mm/min

3. Results of Test

Item \ Tape		M-5213SS
Tape thickness (mm)		0.160
180° peeling adhesive strength on various substrates (g/20 mm)	Stainless steel	1130
	PP	820
	Duracon	860
	PBT	1130
Holding strength (mm/2 hrs.)		0.8
Constant load peeling test (mm/24 hrs.)	PP	1.0
	Duracon	1.0
	PBT	1.0
Release paper peeling force (mm/50 mm)		38