発泡接着剤シート：SAFB

Foaming adhesive sheet : SAFB

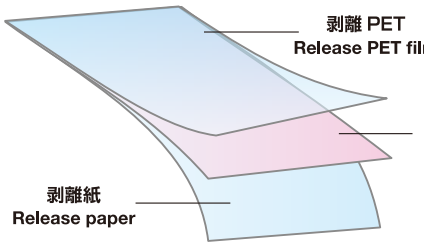
加熱により発泡し、厚みが増すことで隙間充填と接着を両立

Foaming and increasing thickness by heat, possible to filling gap and bonding.

熱硬化 Thermosetting	180℃ OK!	200μm まで可能 Capable fill up to 200μm	エンジン周辺に For around engine
発泡接着 Foaming & Bonding	耐熱性 Heat resistance	隙間充填 Filling gap	耐ATF性・耐冷熱サイクル ATF oil resistance & Heat shock cycle resistance

製品構成：接着剤シート

Product composition: Adhesive sheet



加熱・発泡
Foaming by heat

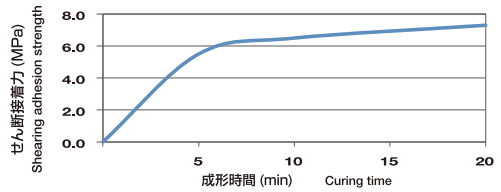
発泡後 225μm
発泡倍率 4.5 倍
225μm after foaming
4.5 times of Foaming ratio

加圧が出来ない隙間の接着に最適！
Suitable for bonding between gap disable to apply pressure

特性例

Properties

	処理条件 Condition	SAFB50
接着剤厚(μm) Adhesive thickness	成形前 Before foaming	50
発泡開始温度(℃) Foaming start temperature	-	140
最大発泡温度(℃) Max. forming temperature	-	150
発泡倍率(倍) Foaming ratio(times)	150℃/10min	4.5



成型温度：155℃、成型時間：TP150℃到達後の経過時間
被着体：SPCC-SD L3020 処理 1.6mmt、クリアランス 125μm

Curing temperature: 155 degree C, Curing time: Treat time after TP temp. achieve 150 degree C.
Adherent: SPCC-SD L3020 treat, 1.6mm thic, Clearance: 125μm

複合体

Composite forms

ニッカン複合技術により新しい付加価値を創造
Create new value by NIKKAN's composite technology

① 広いクリアランス対応
Possible to fill the wide clearance

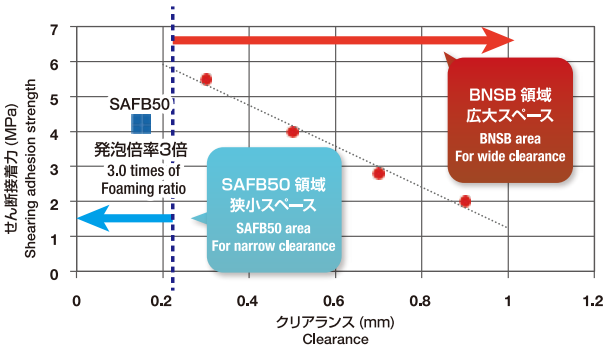
BNSB10025100

PI25μm

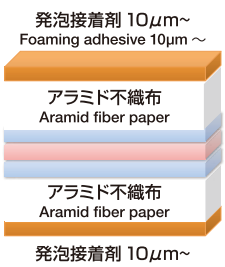
発泡前 225μm
225μm before foaming

加熱・発泡
Foaming by heat

発泡後 925μm
発泡倍率 4.5 倍
925μm after foaming
4.5 times of Foaming ratio



② 固着&絶縁
Adhesion and insulation



AD
PET,PEN,PI
AD

①ワニスレス化へ貢献
Possible contribution to the varnish-less

絶縁紙表面に発泡性接着剤
▶ 絶縁紙で固着が可能。

Foaming adhesive layer on insulation paper surface
▶ Can be bonded by insulation paper

②自動ラインへの対応
Corresponding to the automatic line

接着剤タックフリー
▶ セパレーターが不要
▶ 挿入性悪化の懸念低

Tack-free adhesive
▶ Separator less
▶ Insertion resistance is not deteric

③均一充填・接着可能
Can be uniformly filled & adhesive

均一発泡性
▶ 発泡構造が独立気泡体であるため発泡性が均一。

Foaming uniformity
▶ Uniformly foaming by independent foam structure

④従来絶縁紙と同等の信頼性
Same reliability as the normal insulation paper

コア絶縁紙は複合品
▶ 機械強度・絶縁性はコア同等
▶ コアの厚さ変更で厚さ調整可

Laminated insulation paper core
▶ Mechanical strength and insulation is equivalent to the core insulation paper
▶ The total thickness can be adjusted by the thickness of the insulation paper

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