



Technical Data Sheet

FeedBond® AG-124

液態吸波膠

A. 產品說明(Description)

FeedBond® AG-124 是以聚矽氧烷(矽膠)作為膠體的吸波膠，具有吸波性能好等特點，適用於金屬或塑料基板上的EMI屏蔽，可當吸收墊片使用。

Form-In-Place gasket material, dispensing non-conductive elastomer, is a one-part for EMI shielding and absorption gaskets onto metal or plastic substrates.



B. 固化前物性(Uncured Material)

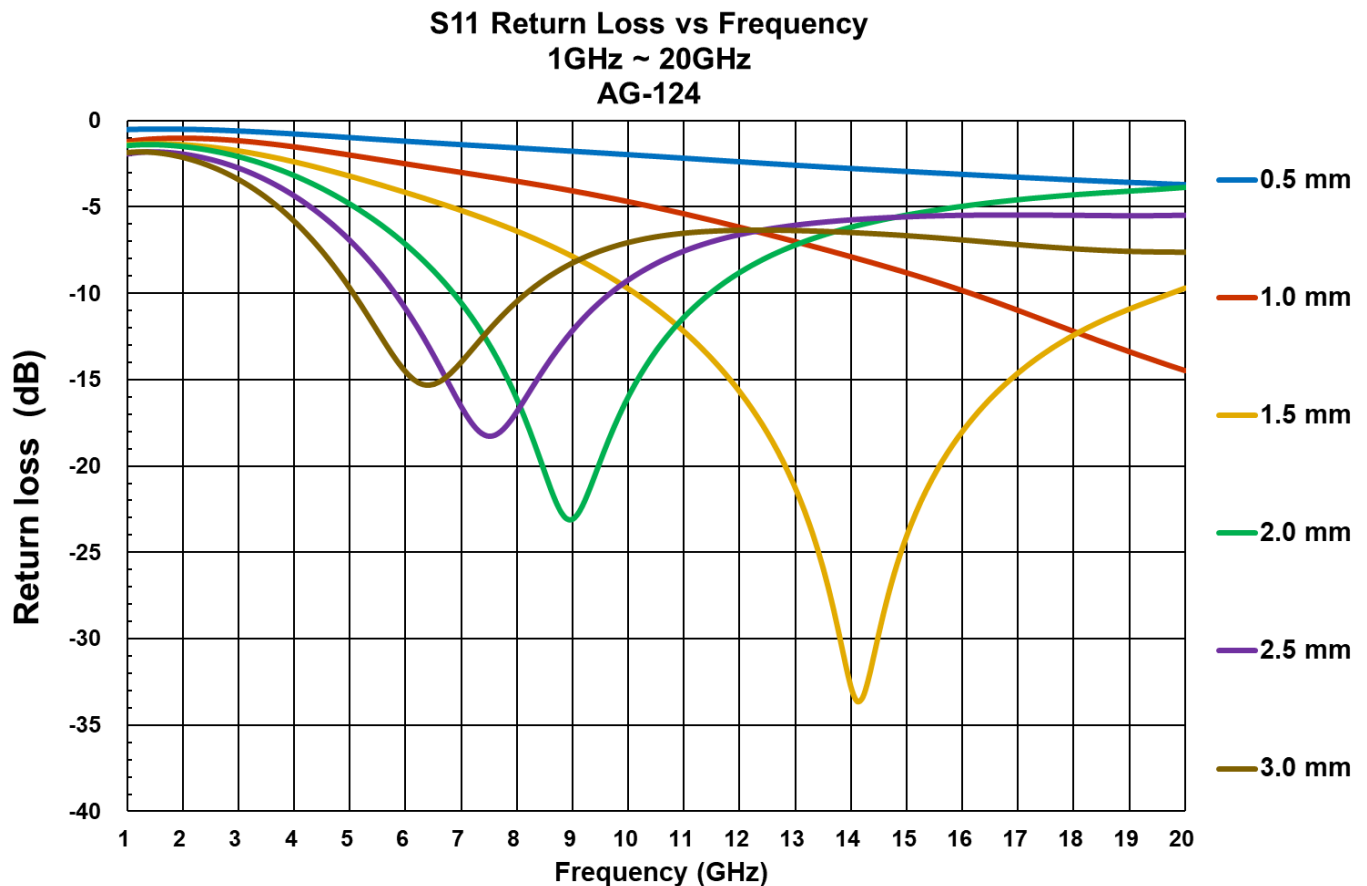
Item	Unit	Typical Condition
外觀 Appearance	-	黑色 Black
樹脂種類 Resin System	-	矽膠 Silicone
組份數 Number of Components	-	單組份 One-part
黏度 Viscosity @25°C	cps	Brookfield DV-III/CP-52 @5rpm 55,000 ± 5,000
搖變指數 Thixotropic Index	-	2.5 ± 0.5
保存期限 Shelf Life @-40°C	月 month	3
操作時間 Work life (@25°C syringe) 25% increase in Vis. @ 5rpm	小時 Hour	8
固化條件 Curing condition	-	室溫固化 @25°C or 60min @80°C
指觸乾燥時間 Tack Free Time @25°C	小時 Hour	<24



C. 固化後物性(Cured Material)

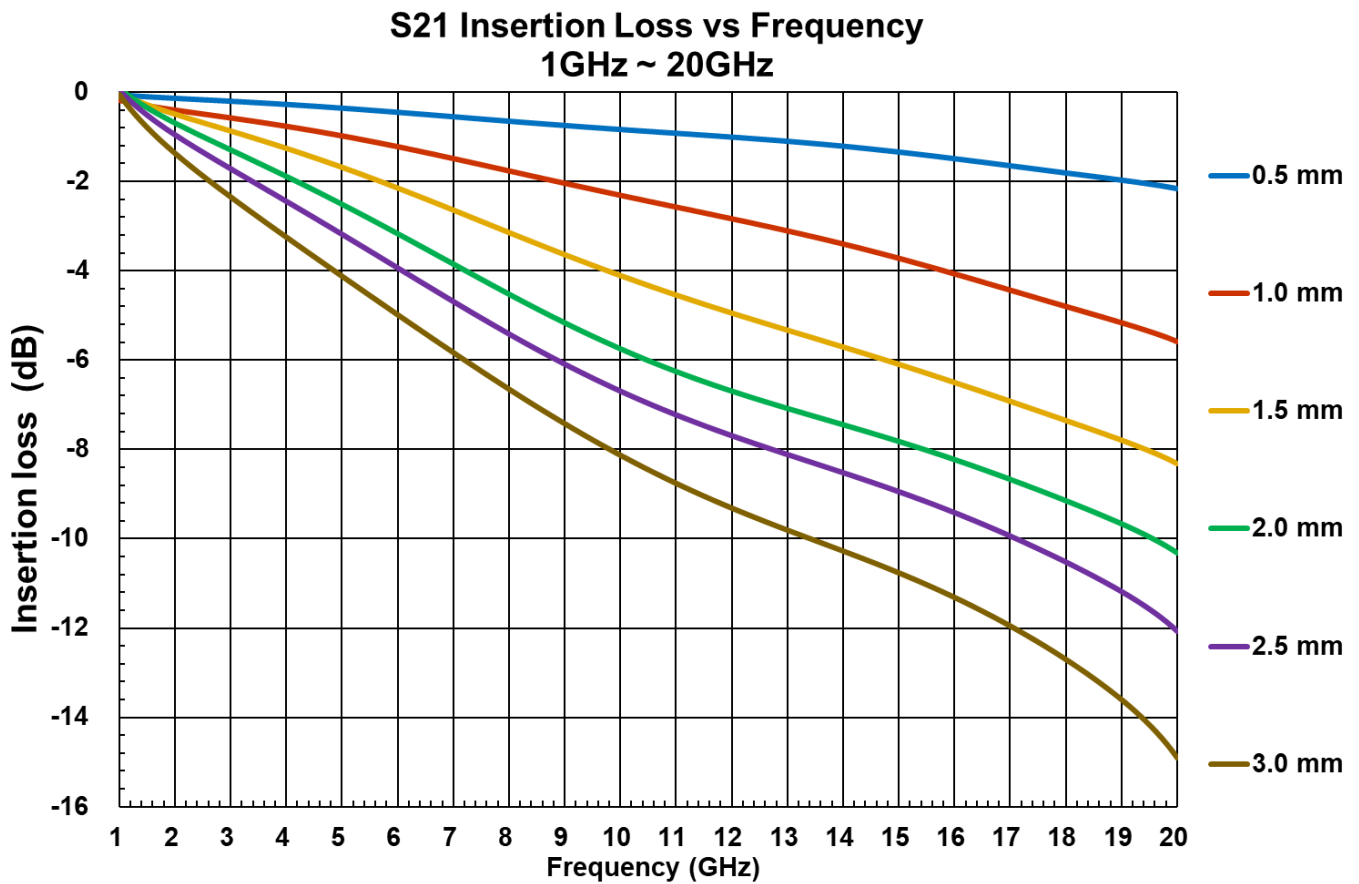
Item	Unit	Typical Condition
固化時間 Curing Time @25°C	小時 Hour	<48
比重 Specific Gravity	-	3.4
使用最大限制溫度 Service Temperature	°C	-40 ~ +80
體積電阻 Volume Resistivity	ohm-cm	> 10 ⁶
吸水性 Water Absorption 24hrs	%	< 0.3
戶外曝光 Outdoor Exposure	-	OK
鹽霧 Salt Fog	-	OK (Good)

D. 反射損耗圖(Return Loss S11) 1GHz~20GHz

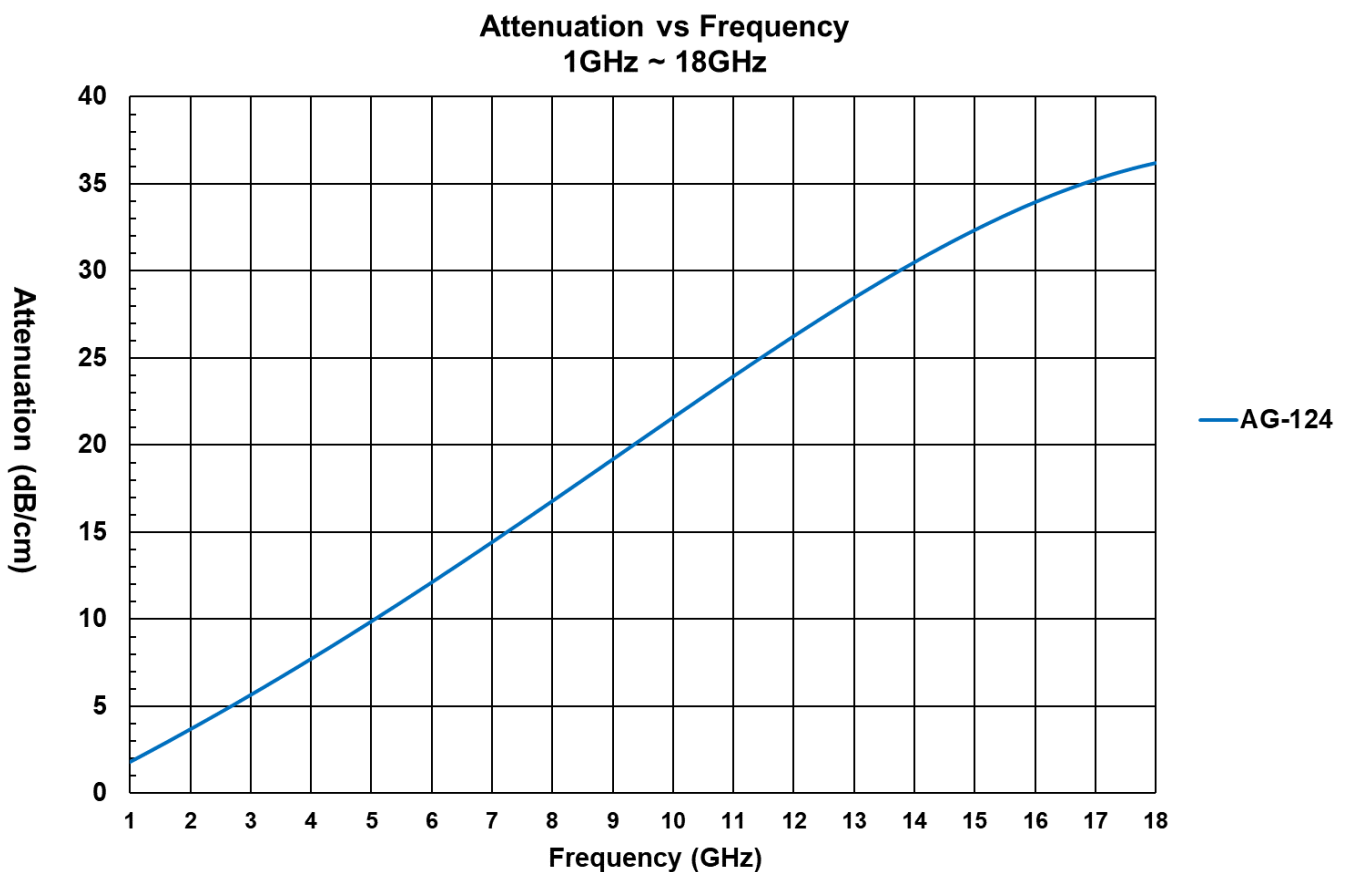




E. 穿透損耗圖(Insertion Loss S21) 1GHz~20GHz



F. 衰減特性圖(Attenuation) 1GHz~18GHz





G. 一般資訊(General Information)

1. 有關本產品的安全處理信息，請參閱安全數據表 (SDS)
For safe handling information on this product, consult the Safety Data Sheet (SDS).
2. TDS 文件數據資料是在肥特補科技股份有限公司內實驗室條件下進行測試。
固化條件仍取決於客戶的實際工藝和情況。
The TDS information provide are base on tests performed under laboratory conditions.
Curing condition still depend on customer real process and situation.
3. 本膠水為即用型，在冷藏的情況下，必須確保膠水在使用前調節至室溫。
The adhesive is supplied ready for use, in case of refrigerated storage, it must be ensured that glue is conditioned to room temperature before use.

H. 標準作業程序(SOP)

1. 將產品存放在未開封的容器中，放在乾燥的地方。 **最佳儲存條件：-40°C。**
Store product in the unopened container in a dry location.
Optimal storage conditions: -40°C.
2. 使用前先將 AG-124 放置在 20°C ~25°C 環境下解凍(解凍過程約 60 分鐘之後才可使用)。
Thaw AG-124 at 20°C to 25°C before use.
It can be used after thawing for about 60 minutes.
3. 從-40°C 冰箱中取出後，將針筒直立放置，向下傾斜同時解凍。
After removing from the -40°C freezer, set the syringes to stand vertically, tip down, while thawing.
4. 在未達到解凍時間之前不要打開外包裝。
Do not open the outer packaging until the thawing time has been reached.



5. 使用前應清除容器上積聚的水份，避免取出的產品可能受到污染，請勿將產品放回原始容器中。
Any moisture that collects on the container should be removed prior to use. AG-124 removed from containers may be contaminated. Do not return product to the original container.
6. 解凍後必須在 8 個小時之內使用完畢。
It must be used within 8 hours after thawing.