

新規単官能脂環式エポキシVNBB-ME

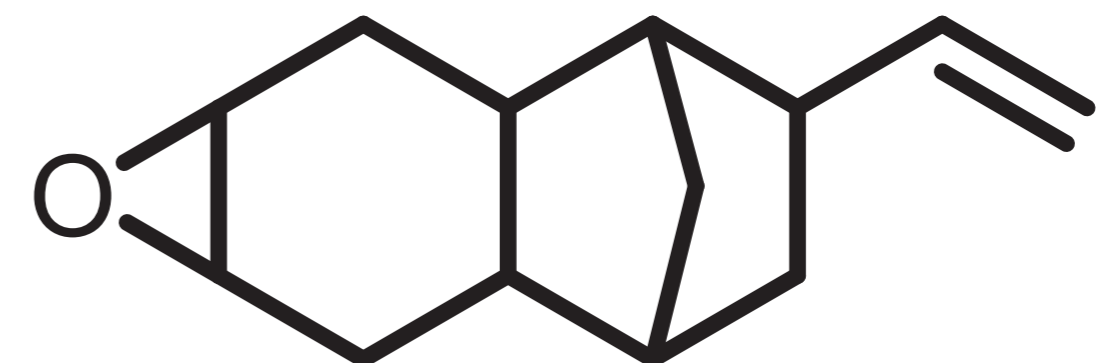
A novel monofunctional alicyclic epoxide, VNBB-ME

脂環構造を持ち、硬化物の物性低下を抑えられる反応性希釈剤であり、同時に低誘電特性も期待できます。

It's a reactive diluent having alicyclic skeleton that can suppress deterioration in the physical properties of the cured materials. Low dielectric properties can be expected additionally.

期待される効果 Effects

- ◎耐熱性・強度を保ちつつ、流動性改良に寄与
Improved fluidity while maintaining heat resistance, modulus
- ◎低誘電率、低誘電正接化が可能
Lower dielectric constant and dielectric dissipation factor

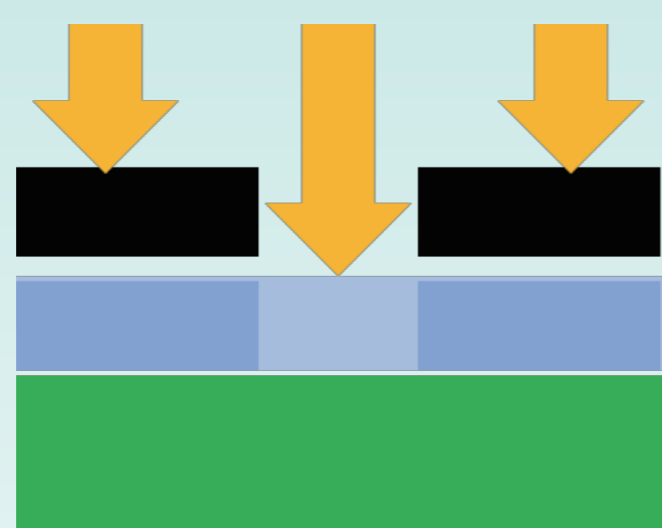


分子構造
(Structure)

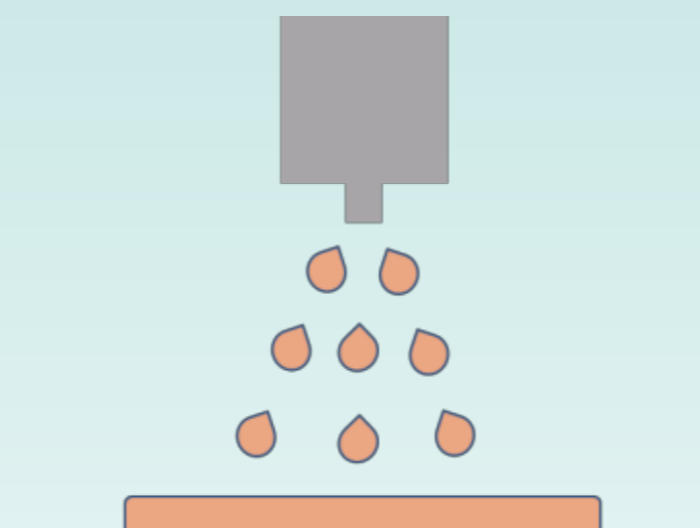
モノマーの性状 Properties of epoxide

☆性状 (Appearance)	無色透明 (Colorless and Transparent)
☆エポキシ当量 (EEW)	189g/eq
☆粘度 (Viscosity)	13mPa・s (at 25°C)
☆ハロゲン (halogen)	製法上混入せず (No contamination)

想定用途 Applications



フォトレジスト
(photoresist)



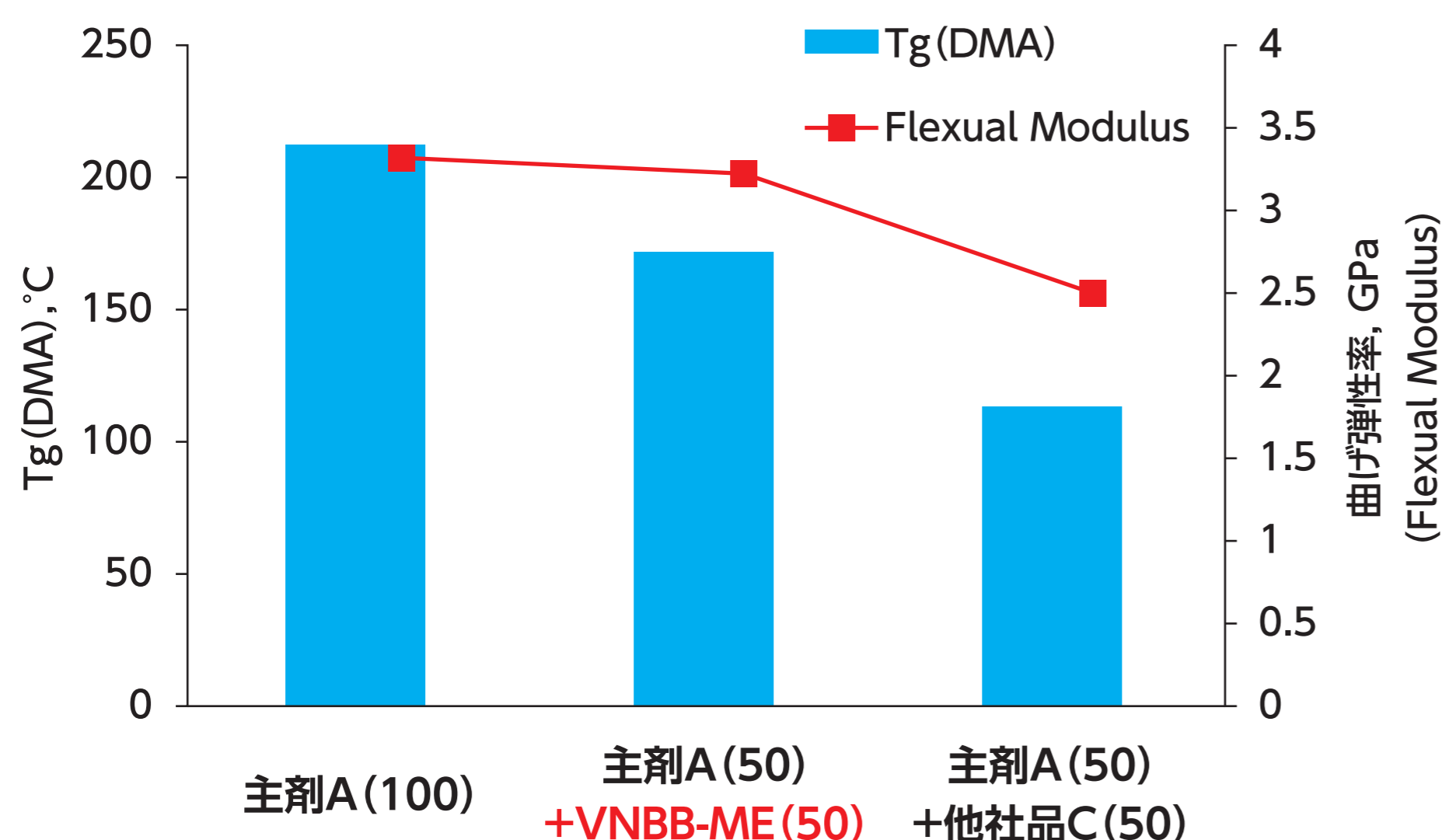
UVインク
(UV ink)



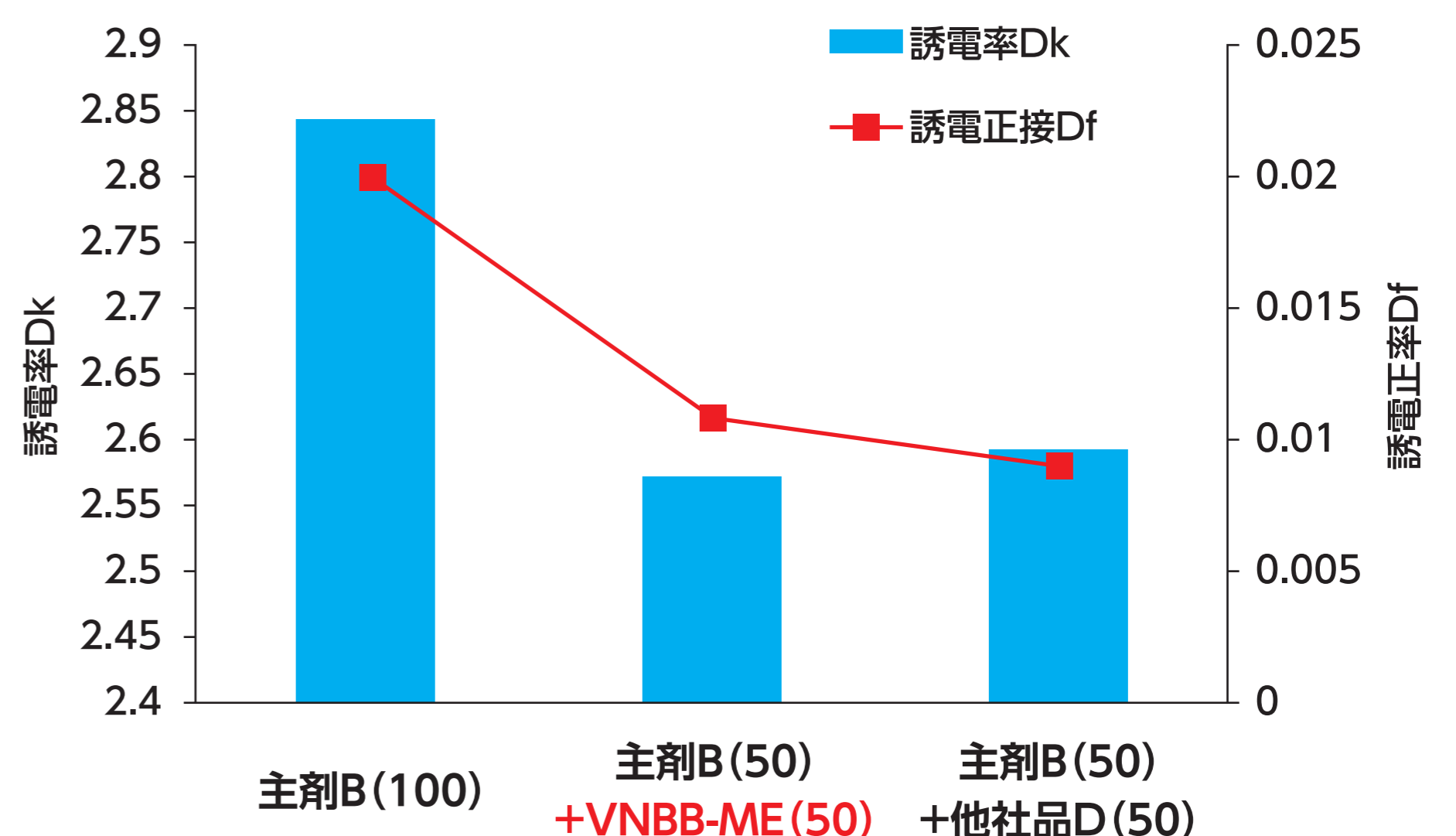
5G向け高速伝送基板
(Substrate for 5G)

硬化物の物性 Supporting data

★熱・機械物性比較 Physical properties



★誘電特性比較 Dielectric properties



配合:エポキシ/新日本理化様製MH-700 = 1/1当量比
主剤A:ダイセル様製セロキサイド2021P,主剤B:三菱ケミカル様製JER1031S,他社品C:脂環式単官能,他社品D:低誘電単官能