

塗膜強度向上剤

Paint film strength improver

合材層の機械的強度向上により、生産性改善に貢献します
Contributes to improved productivity by improving the mechanical strength of the composite material layer

特徴 | Characteristics

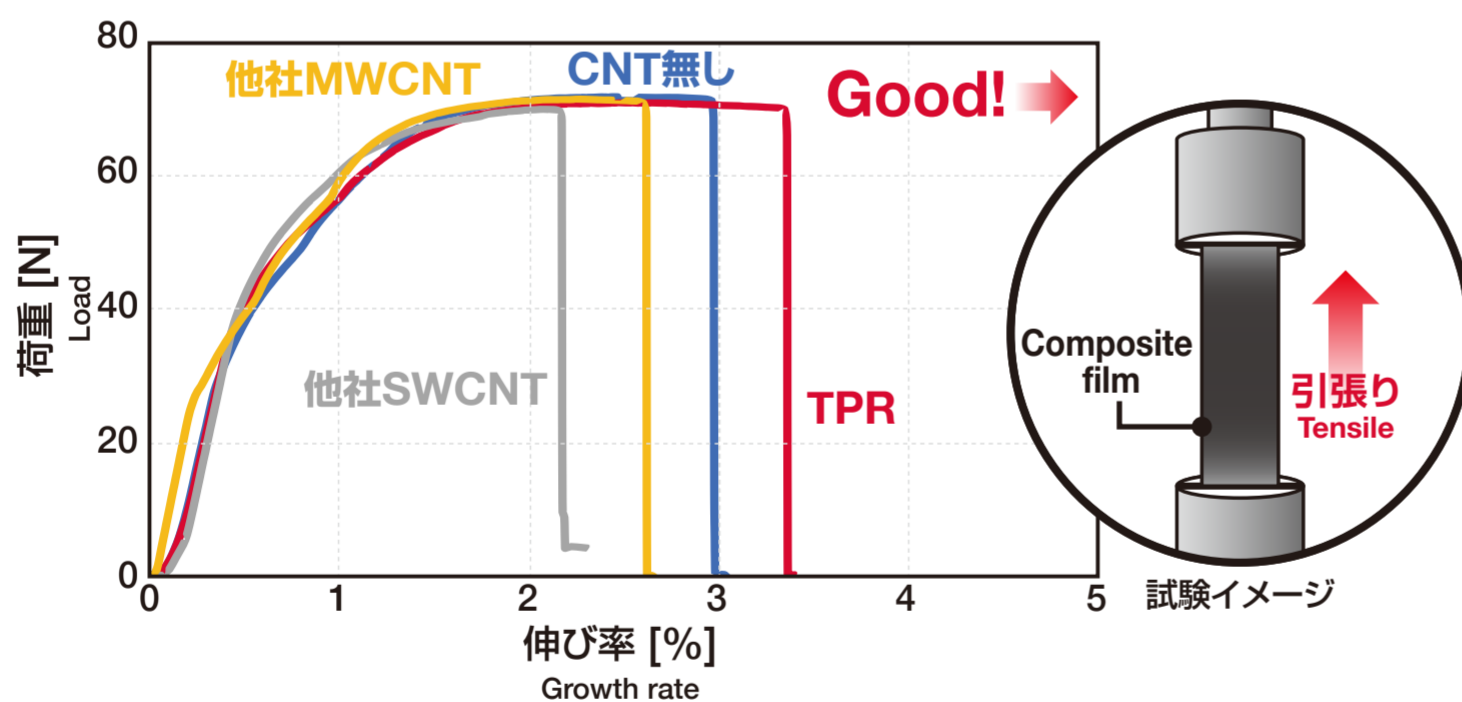
- **TPR製 長尺CNTにより合材層の伸縮性が向上**
TPR long CNT improves the elasticity of the composite layer
→ 「曲げ」、「欠け」への不良対策
Defect countermeasures for "bending" and "chipping"
- **CNTにより、電子伝導性を損なわない**
CNT does not impair electronic conductivity
→ 抵抗低減効果も期待
Expected resistance reduction effect
- **剥離強度については、配合比検討が必要**
Regarding peel strength, it is necessary to consider the compounding ratio
→ 合材層内剥離:○、集電箔層間剥離:要検討
Peeling within composite material layer : ○ , Peeling between current collector foil layer : Needs consideration

項目 Properties	仕様 Specification
溶媒 Medium	純水 Pure water
CNT濃度 CNT conc	0.1~0.7 wt.%
粘度 Viscosity	10~10,000 cP

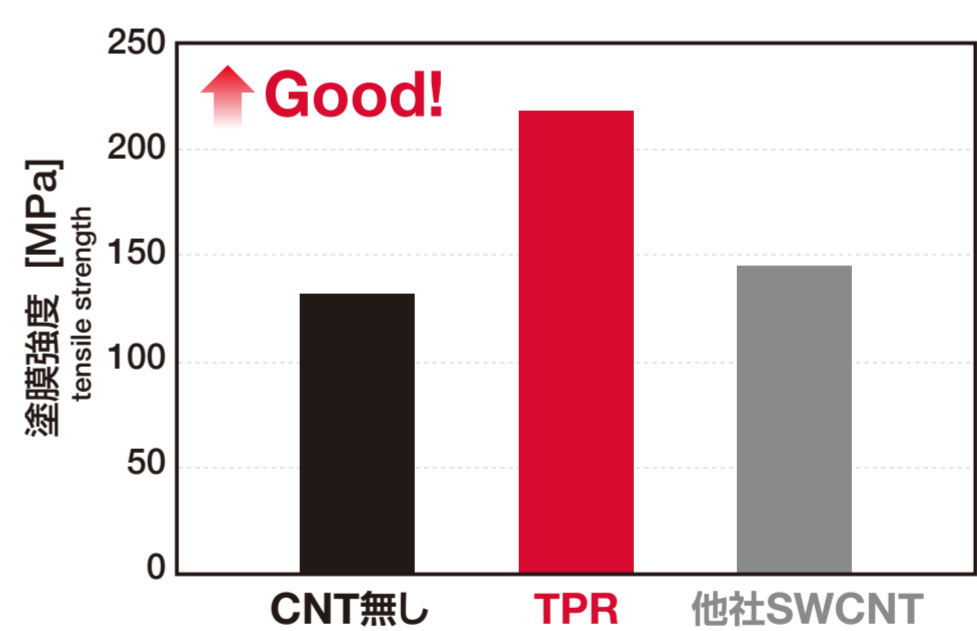
効果 | Efficacy

● 引張試験 Elongation test

- **電極の伸び向上を確認**
Confirmation of improved electrode elongation

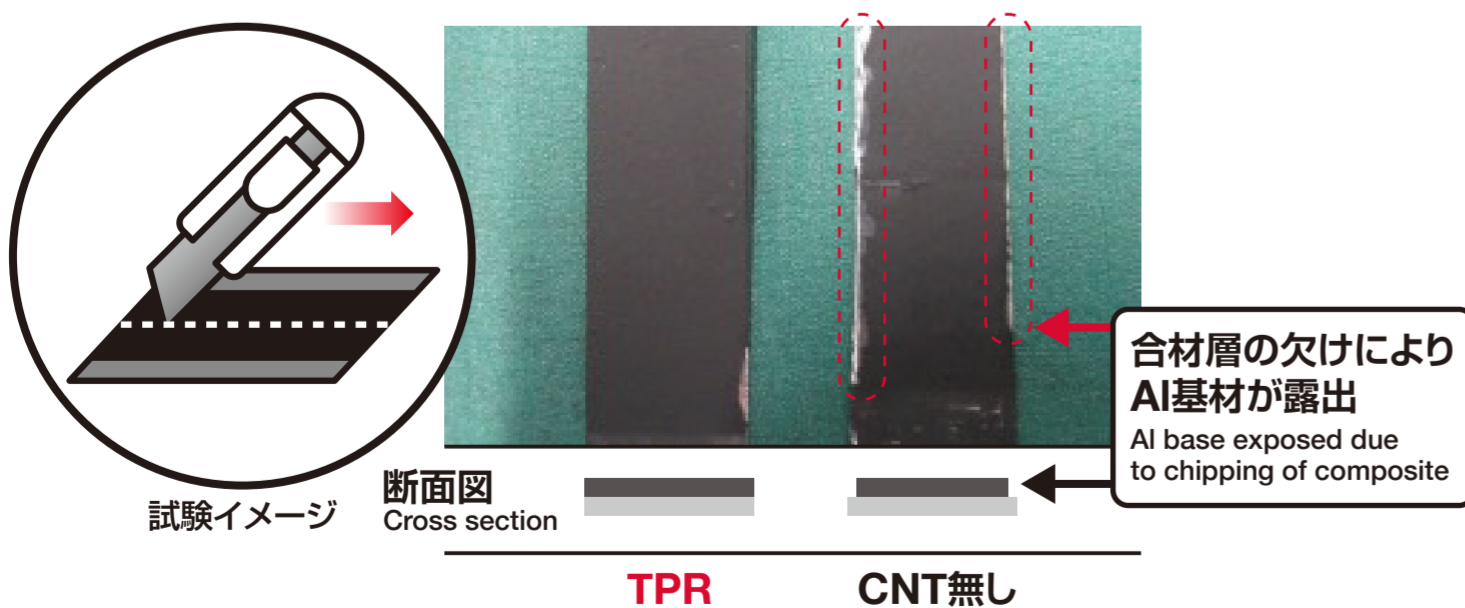


- **塗膜強度の向上も確認**
Confirmation of improved coating strength



● カッティング試験 Cutting test

- **打ち抜き端面の欠けを低減**
Reduces chipping of punched edge surface



● 抵抗低減効果 Resistance reduction effect

- **大幅な抵抗低減を確認**
Significant resistance reduction confirmed

