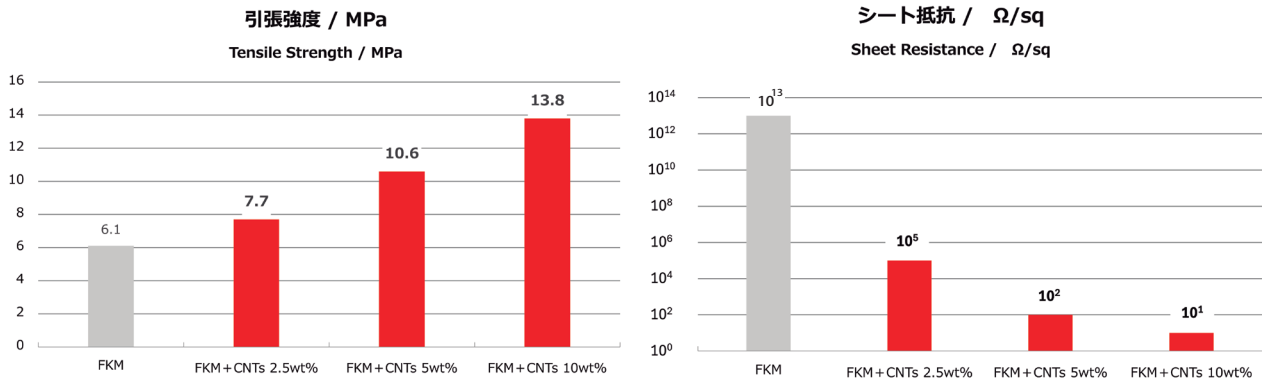


# RUBBER

## CNT 添加ゴム 性能比較

CNT rubber Performance comparison

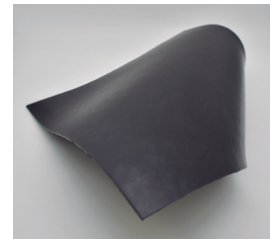
CNTをフッ素ゴム (FKM) に加えることで、引張強度を向上させ、シート抵抗は小さくなることが分かる。  
It can be seen that adding CNTs to fluororubber (FKM) improves tensile strength and reduces sheet resistance.



## CNT 添加ゴムの特長

Features of CNT rubber

- ① 長尺かつ高品質な弊社CNTは、数wt%の添加で引張強度の向上が可能  
Significant improvement of tensile strength with just a few wt% added CNTs due to CF's long and high-quality CNTs
- ② 絶縁素材であるゴムに導電性を付与することが可能  
Conductivity can be imparted to rubber, which is insulating material
- ③ 母材の硬度を問わず混練が可能（要相談）  
Blending with CNTs is possible regardless of the hardness of base material (Negotiable)
- ④ CERIでの熱老化試験にて、300℃で引張強度/伸び/外観に変化が無いことを確認  
FKM耐熱温度230℃から70℃の耐熱性向上を実現  
In a thermal aging test conducted at CERI, we confirmed that there were no changes in tensile strength, elongation, or appearance at 300°C. This achievement enhances the heat resistance of FKM from 230°C to 300°C, an improvement of 70°C



### Applications



搬送コンベア用ゴム  
Conveyor rubber



装置用 O-ring  
Equipment O-ring