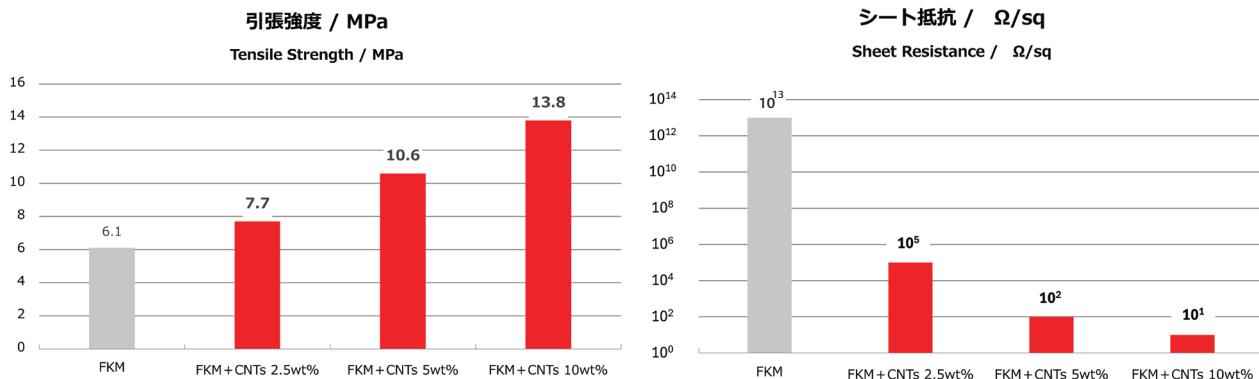


RUBBER

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°C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°Cから70°C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