

PelleGraf™ GRAPHENE ENHANCED POLYMER PELLETS



In addition to our original **ProCene™** & **ProCNano™** graphene powders, **GrapheneCR** has developed new **PelleGraf™** pelletized graphene/ polymer masterbatch.



PelleGraf™ can improve the strength & performance of polymers and increase the number of times they can be recycled.

Low loadings make graphene a VERY effective additive to improve performance and offer good economic benefits and because we use our carbon-negative **ProCene™** graphene, **PelleGraf™** helps reduce the environmental impact in any application.

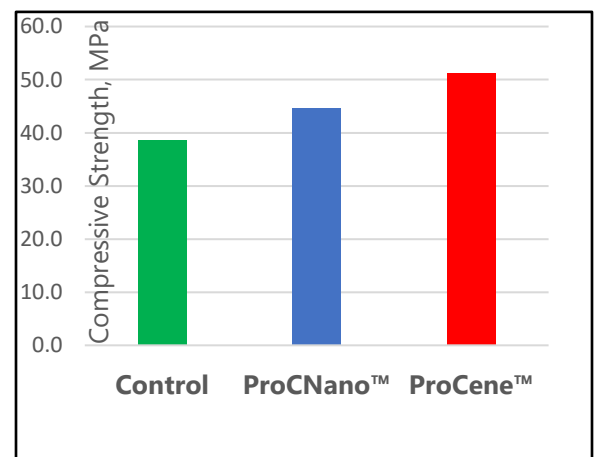
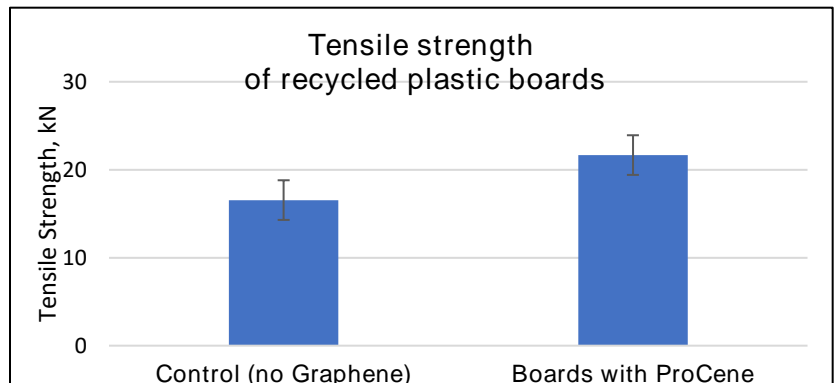
Improved Tensile & Compressive Strength!

Even at incredibly low loadings of **ProCene™** Graphene Powder, **PelleGraf™** Molded rPP Boards **Increased Average Tensile Strength by 30.9%**

Initial testing also indicates that even very small loadings of **GCR's** carbon negative graphenes can dramatically improve the compressive strength performance of rPP. Adding **ProCNano™** improved compressive strength by an average of **25.6%** vs. the control. **ProCene™** improved it an average of **43.8%**.

In addition to increasing strength of polymers, **ProCene™** Graphene in **PelleGraf™** can also improve:

- UV Fade Resistance
- Thermal Conductivity
- Liquid & Vapor Barrier Impermeability
- Flex/ Modulus/ Crack Resistance
- Chip Resistance
- Antimicrobial/ Antifungal
- Lower Extruding Equipment Operating Temperatures
- Reduce Purged Material/ Waste



Adding **ProCNano™** improved compressive strength by an average of 25.6% vs. control while adding **ProCene™** improved it an average

Learn More at graphenecr.com

