

## TANGHO Green Pellets TWP-ML1-7

### Product Description

TANGHO Green Pellets are a sustainable and eco-friendly solution designed to enhance the performance of polymer composites. Engineered with precision, these pellets offer a blend of natural fibers and some additives with consistent particle size distribution and superior compatibility with polypropylene (PP) and other polymers. **TWP-ML1-7** is an advanced natural fiber pellet formulation engineered for superior dispersion in polymer matrices. These pellets have high strength and durability and are ideal for extrusion applications, they provide polymer composites with improved mechanical properties and low weight while reducing the carbon footprint of your products.

### Features

- Renewable and sustainable raw material.
- Consistent particle size distribution for predictable performance.
- High compatibility with polypropylene (PP) and other polymers.
- Reduced carbon footprint in composite applications.
- Improved mechanical properties (e.g., tensile and flexural modulus).

### Processing Conditions

TANGHO recommends maintaining a pellet moisture content of  $\leq 2$  wt.% to ensure smooth material flow. The ideal extrusion and injection molding temperatures are suitable up to 220°C, depending on the polymer matrix.

### Properties

Properties	Method	Typical Value*
Pellet Durability Index	EN 15210-1	$\geq 95\%$
Bulk Density	ASTM E873-82	620 kg/m <sup>3</sup>
Specific Compressive Strength	ASTM D4179	921 N/mm

\*Typical values are based on Tangho laboratory test results. These are typical properties only and are not to be construed as specifications.