



Fibers for Life.

Cellulose for Bioplastics

COST SAVING AND FUNCTIONAL SOLUTIONS

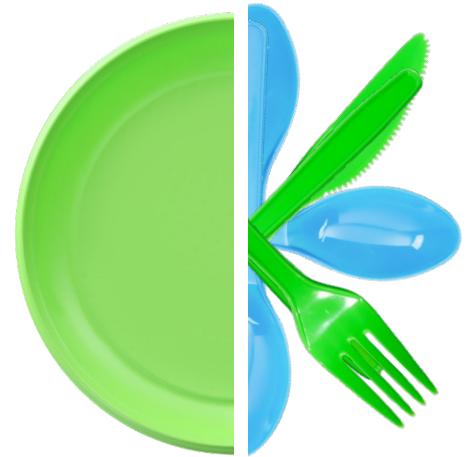
- Cost savings
- Increased output
- Increase elasticity and flex modulus
- Constant HDT
- Environmentally friendly

Benefits of JRS Cellulose in Bioplastics

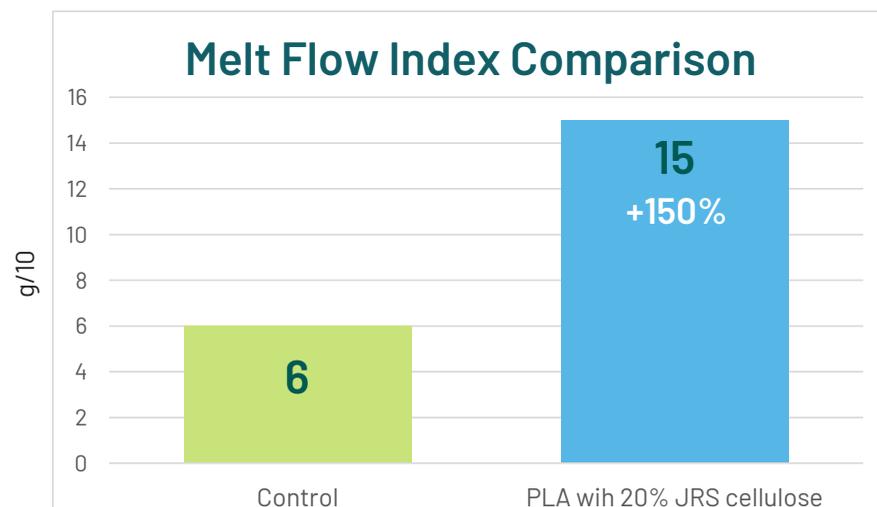
JRS USA CELLULOSE DIFFERENCE

Bioplastics is a compostable or biodegradable material formed and molded similarly to a petroleum based thermoplastic material. However, bioplastics is comprised from natural, renewable resources.

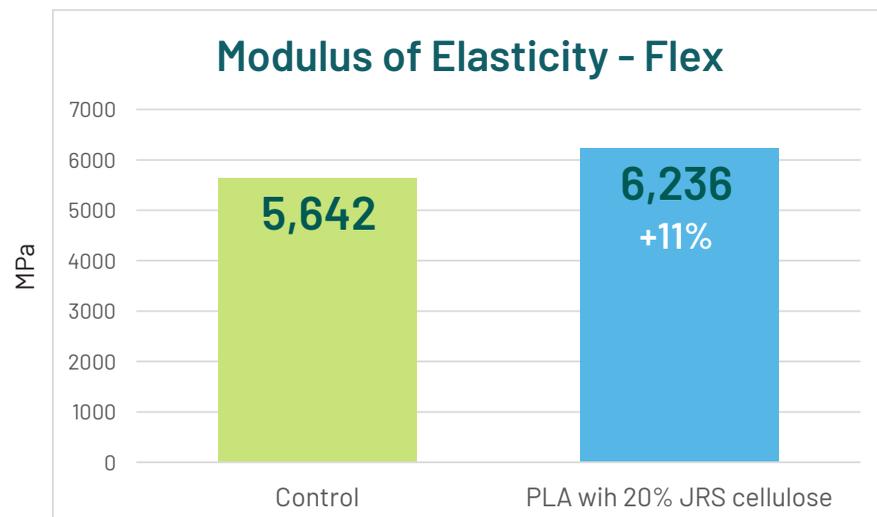
Having been developed almost a century ago, bioplastics have been recently thrust to the forefront due to an increased consumer demand for sustainable and environmentally friendly alternatives to traditional plastics. JRS cellulose fulfills the desire for sustainable additives by replacing petroleum based products. Bioplastics function in many industries.



FAST RETURN ON COST USING JRS CELLULOSE



*MFI was run at 190°C with a weight of 2.16kg



COST SAVINGS

- Less PLA (Polylactic Acid) required

INCREASED OUTPUT

- Increased melt flow index of plastic
- Increased throughput

INCREASED ELASTICITY & FLEX MODULUS

- Creates unique mechanical strength and chemical stability
- Higher strength reinforcement in plastic compounds

CONSTANT HDT

- Stabilized compound crystallinity
- Maintains melting point temperature

ENVIRONMENTALLY FRIENDLY

- Biodegradable
- Compostable

