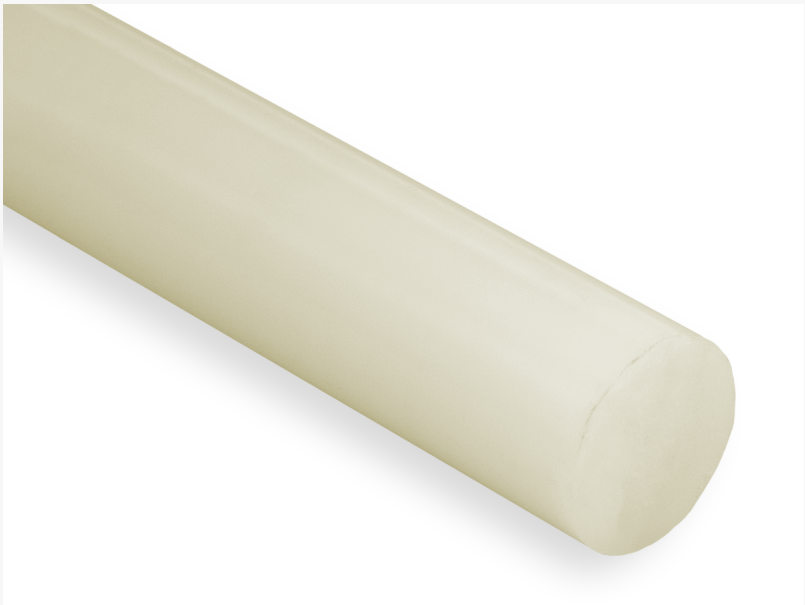
Wear-Resistant Material Solutions Increase Harvesting Speed & Efficiency

Interstate Advanced Materials offers extruded nylon, UHMW, and polycarbonate material solutions for the agriculture and viticulture industries.



Extruded nylon bo rods have the rigidity, wear resistance, and shape retention necessary to withstand the shaking required to harvest fruit using a mechanical harvester without breaking or losing their form.

SACRAMENTO, CA, UNITED STATES, March 18, 2024 /EINPresswire.com/ -- The agriculture and viticulture industries seek ways to improve the speed and efficiency of their harvests through technologies like machine harvesters. Interstate Advanced Materials offers extruded nylon, UHMW, and polycarbonate material solutions for the agriculture and viticulture industries to help facilitate a faster and more efficient harvesting season.

Extruded nylon, or nylon 6/6, is the material of choice for bo rods which are used in mechanical harvesters for crops like grapes and olives. Also known as picking rods or bo peep rods, bo rods rely on extruded nylon's strength, rigidity, and shape retention to shake grapevines and olive trees. These shaking mechanisms knock the fruit onto a conveyor to speed up the harvesting process. Nylon 6/6 is wear- and abrasion-resistant and can withstand the shaking required to harvest the fruit without bending or losing its form, extending the lifespan of bo rods and increasing the time between replacements.

Agricultural harvesting equipment components like wear guides and corners are made from Ultra High Molecular Weight Polyethylene (UHMW-PE). Known for its low friction properties and high abrasion resistance, UHMW is a self-lubricating material and components made from it have a long lifespan that surpasses metal in wear applications. UHMW is also durable and is resistant to both chemicals and moisture – unlike metal, it won't rust or corrode. Despite its robustness, UHMW is relatively lightweight compared to alternatives such as steel, which helps reduce the overall weight of the harvester for enhanced fuel efficiency.

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>
> *Christopher Isar*

Harvester machines utilize polycarbonate as 'wings' that are set on both sides of a conveyor and serve to guide harvested fruit from where they've fallen on the conveyor to collection bins or trays. Polycarbonate is a virtually unbreakable material with outstanding impact resistance and durability that allows harvester wings machined from it to withstand the shaking and impacts experienced during operation. Polycarbonate wings are easily cleaned to minimize downtime during the harvesting season.

Discover Interstate Advanced Materials' diverse range of materials for harvesting equipment and save 30%+ on extruded nylon, UHMW, polycarbonate, and more with an Interstate Advanced Materials membership. To learn more about our selection of materials for grape and olive harvesters and other vineyard or agricultural applications, call a material expert at (800) 742-3444.

Interstate Advanced Materials is a full-line distributor of sheet, rod, tube, bar, film, profile, and accessories, tools, and care products. With 10 locations nationwide and an online sales and support team, Interstate Advanced Materials provides full sheets and pallets, simple cut-to-size service, and complex CNC manufacturing. Interstate Advanced Materials is known for its reputation of selling high-quality products, providing excellent customer service, and superior technical support. Our products and services are available using the safe, secure, and convenient purchasing system on the Interstate Advanced Materials website. For instant help, we're always a phone call away at (800) 742-3444.

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