

» PRODUCT BULLETIN

Trilliant™ HC Healthcare Thermoplastics Glass-filled Polyketone Formulations

This Trilliant™ HC glass-filled (GF) series consists of specialty engineered, polyketone (PK) thermoplastics. Available with 10–33% short GF levels, they provide outstanding chemical resistance, low moisture uptake, and excellent dimensional stability. These advanced, customizable formulations are ISO 10993 compliant, compatible with gamma, autoclave, or EtO sterilization, and come in pre-colored or natural grades.

In addition to these high-performance characteristics, this healthcare portfolio offers a reduced carbon footprint over the product life cycle because PK production emits up to 61 percent less carbon dioxide (CO₂) than nylon.

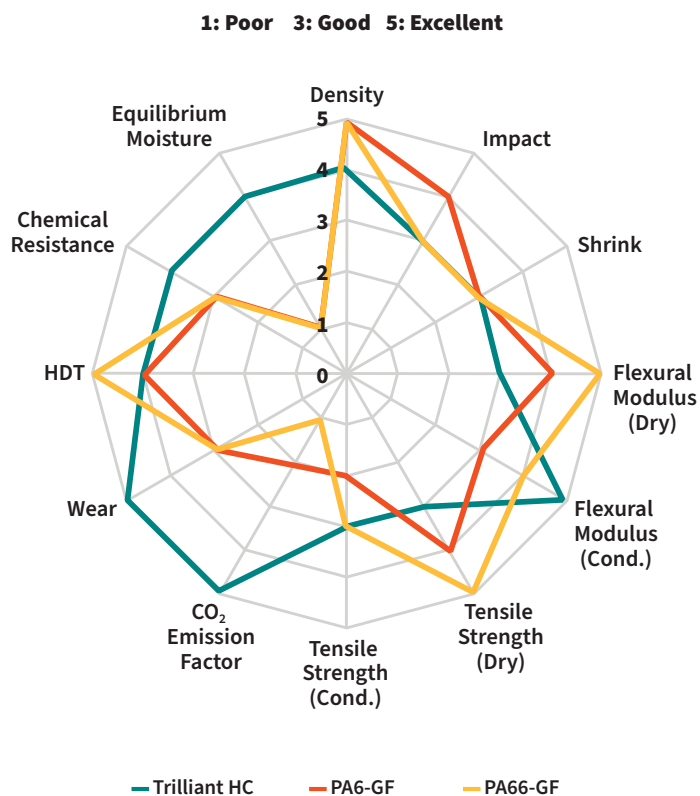
KEY CHARACTERISTICS

- Excellent chemical resistance
- Low moisture uptake
- Comparable dimensional stability to nylon
- Reinforced with 10–33% glass fill
- High impact and wear resistance
- Eco-conscious alternative to PA66 and PA6

MARKETS & APPLICATIONS

Whether using a standard or customized formulation, the PK-based Trilliant grades provide a high-performing, cost-competitive, and more eco-conscious alternative to competitive materials found in biopharmaceutical processing, hospital settings, and home healthcare applications.

PROPERTY COMPARISON TRILLIANT HC VS NYLON



STANDARD COLORS FOR BIOPHARMACEUTICAL APPLICATIONS

GLASS FILL	COLOR	PRODUCT NAME
10%	Bright White	HC8910-0004 RS
20%		HC8910-0017 RS
33%		HC8910-0018 RS
10%	Cool Gray 1C	HC8910-0005 RS
20%		HC8910-0006 RS
10%	Cool Gray 3C	HC8910-0007 RS
20%		HC8910-0008 RS
10%	Warm Gray 1 C	HC8910-0009 RS
20%		HC8910-0010 RS
10%	TPX 12-0703 Tan	HC8910-0011 RS
20%		HC8910-0012 RS
10%	542C Blue	HC8910-0013 RS
20%		HC8910-0014 RS
10%	301C Blue	HC8910-0015 RS
20%		HC8910-0016 RS

Colors may vary from actual color shown

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