

Industrial & Automotive Materials Quick Reference

RoHS Compliant

Lot Traceable

Automotive Approvals



Black Nylon (BN)

Temperature Range -50 °F to 275 °F (135 °C) • Pressure 150 psi @ 70 °F

Made from 6/6 nylon - exhibits strength, moderate stiffness, high service temperature, high impact resistance and tensile strength. Resistant to fuels, lubricants and many chemicals, but vulnerable to attack by phenols, strong acids and oxidizing agents. Used in fuel line, vacuum systems and general purpose applications: automotive industry approvals.

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Glass-Filled Black Nylon (GFBN)

Temperature Range -50 °F to 275 °F (135 °C) • Pressure 150 psi @ 70 °F
Heat Deflection Temperature - ASTM D64: 475 °F (246 °C) @ 264 psi

GFBN is a standard material used in automotive and marine under-the-hood, heater and coolant applications. GFBN's enhanced impact resistance results from inclusion of uniformly dispersed glass fibers that add strength to the resin: automotive industry approvals.

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Stainless Steel (SS)

Fittings produced with 316L alloy perform well in **high temperature**, harsh physical environments. 316L molybdenum bearing stainless steel has excellent impact and chemical resistance, but is less resistant than other types of stainless steel to highly oxidizing acids, such as nitric acid. The material has wide application in pharmaceutical and dairy processing and is used extensively in brewery, beverage and bioprocess industries.

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White Polypropylene (WP)

Temperature Range -9 °F to 150 °F (66 °C) • Pressure 125 psi @ 70 °F

White Polypropylene has the same physical and chemical resistance properties as Natural Polypropylene, but is less expensive. WP fittings contain recycled runner material produced during virgin material, Natural Polypropylene production runs. White Polypropylene fittings are manufactured to the same tolerances and quality standards as our Natural Polypropylene fittings - WP is not a USP Class VI material and is not lot traceable.

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White Nylon (WN)

Temperature Range -50 °F to 275 °F (135 °C) • Pressure 125 psi @ 70 °F

White Nylon has the same chemical and physical properties as Natural Nylon. WN fittings contain recycled runner material produced during virgin material, Natural Nylon production runs. White Nylon fittings are manufactured to the same tolerances and quality standards as our Natural Nylon fittings. Lot traceability certificates are not available for White Nylon.

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Gray Kynar (PVDF)

Temperature Range -80 °F to 226 °F (108 °C) • Pressure 260 psi @ 70 °F

Gray PVDF fittings exhibit the same physical and chemical resistance properties as Natural Kynar®. PVDF fittings contain recycled runner material produced during virgin material, Natural Kynar® production runs. For applications that do not require lot traceability or a material that meets USP Class VI requirements, PVDF fittings represent an excellent value.

DISCLAIMER

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