



NYTEF Plastics

Product Line Card

ACETAL

Unital® H	Delrin® 150E Acetal Homopolymer (POM) —Excellent toughness, FDA Compliant
Unital H BK	Delrin Black 150E Acetal Homopolymer —FDA Compliant material available
Unital C	Acetal Copolymer (POM) , Best machinability, improved chemical resistance, FDA Compliant
Unital C BK	Acetal Black Copolymer —FDA Compliant material available
Unital Lf-13	Acetal Homopolymer, 13% PTFE Powder filled — Low friction, FDA Compliant, brown color
Delrin 100AF-13	Delrin Homopolymer, 13% PTFE Fiber Filled — Low friction, brown color
Delrin 100AF-20	Delrin Homopolymer, 20% PTFE Fiber Filled — Lowest friction, brown color
Delrin DE-588	Delrin 100 AF , fully certified for U.S. Navy use, brown color
Unital esd	Acetal Copolymer, Static Dissipative IDP filler/non-carbon , 10^{10} - 10^{12} ohms/sq., beige color

EXTRUDED NYLON

Unip 6/6	Nylon 6/6, Unfilled — Natural and black, natural is inherently FDA Compliant
Unipa Ld	Nylon 6/6, Molybdenum Disulfide (MoS₂) Filled — Wear resistant, mottled dark gray color
Unipa Im	Nylon 6/12, Low Moisture Absorption —High impact resistance
Unipa Rg-30	Nylon 6/6, 30% Glass Fiber Filled — High strength and stiffness
Unipa Rk	Nylon 6/6, Kevlar® Fiber Filled — Highest PV limit of any Nylon, FDA Compliant, gold color
Unipa im	Nylon 6/6, Zytel® ST801 — “Super Tough”, premium impact resistance

CAST NYLON

Unipa M	Cast Nylon 6, Natural — FDA Compliant
Unipa MLd	Cast Nylon 6, Molybdenum Disulfide (MoS₂) Filled — black color
Unipa Mh	Cast Nylon 6, Heat Stabilized — Premium stiffness at elevated temperatures, blue color
Unipa MLo	Cast Nylon 6, Oil Filled — Low friction and wear, green color
Unipa MRg	Cast Nylon 6, Glass Fiber Reinforced — 20% and 30% filler levels, off-white color

HIGH PERFORMANCE MATERIALS

Unicar® PC	Polycarbonate , Natural and black, mechanical grade, natural is inherently FDA Compliant
Unicar Rg-20	Polycarbonate, 20% Glass Fiber Filled — Superior stiffness, black color
Unilate® PBT	PBT , Polybutylene Terephthalate— Excellent toughness, FDA/USDA/3-A/NSF Compliant
Unipet® PET	PET , Polyethylene Terephthalate — Excellent dimensional stability, FDA/USDA/3-A Compliant
Uninor® PPO BK	Noryl® EN265 — Polyphenylene oxide and styrene, UL Rated V-0, black color
Uninor Rg-30	Noryl, 30% Glass Fiber Filled — Superior stiffness, gray color
Uninar® PVDF	740 Grade - Melt processable fluoropolymer, FDA Compliant, translucent cream color
Unitem® PEI	Ultem® 1000 — Polyetherimide, black and natural amber colors, FDA and USP IV Compliant
Unitem Rg	Ultem, Glass fiber filled — 20%, 30%, and 40% filler levels, superior stiffness
Unifone® PSO	Polysulfone — Natural light amber color, FDA and USP IV Compliant
Unitron® PPS	Polyphenylene Sulfide — Unmatched chemical resistance and stability, light beige color
Unitrex® PEEK	Polyetheretherketone — Best all around engineering performance, light beige/gray color
Unitrex Rg-30	PEEK, 30% Glass fiber filled — Superior stiffness, light gray color

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CUSTOM PRODUCTS

Uniloy[®] Xenoy[®] PBT/PC Alloy – Economical blend of chemical resistance and dimensional stability
Unithane[®] Isoplast[®] Rigid polyurethane – Excellent toughness and chemical resistance
Unimer[®] TPE Hytrel[®] Thermoplastic elastomeric – Elasticity of rubber with outstanding chemical resistance
Unitene[®] PMP TPX[®] Polymethylpentene – Lightweight and excellent chemical resistance
Unilar[®] ECTFE Halar[®] Ethylene Chlorotrifluoroethylene – Outstanding chemical resistance
Unidel[®] PAR Ardel[®] Polyarylate – Good chemical resistance and dimensional stability
Unipen[®] PPSU Radel[®] R Polyphenylsulfone – Outstanding toughness, 415°F CUT, USP Class IV Compliant
Unipes[®] PES Radel A Polyethersulfone – High stiffness and excellent chemical resistance, FDA Compliant
Unipa RkLf Nylon 6/6, Kevlar Fiber Filled with PTFE lubricant, FDA Compliant
Unipa RkLd Nylon 6/6, Kevlar Fiber Filled with molybdenum disulfide (MoS₂) lubricant
Unipa MATpe Cast Nylon 6, Impact Modified – High impact resistance
Unirum[®] PI Aurum[®] Polyimide – Temperature resistance to 480 F, excellent wear resistance
Unitrex PEEK, Black, bearing & wear grade and 30% carbon fiber filled grades available

NYTEF PLASTICS

Nytec Plastics, Ltd. is dedicated to supplying our customers with the highest quality thermoplastic stock shapes for machining. We manufacture and stock a full line of thermoplastic materials in the widest variety of rod, plate, and tubular bar sizes. In addition, we offer over 30 years of experience in the custom extrusion of our customer's application specific and proprietary resins. We offer full technical support for our products and our manufacturing facility is ISO 9002 certified.

CUSTOMER CONTACTS

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Unital Acetal and Unipa Nylon 6/6 are available in Square and Hex Rods.
Unital Acetal and Unipa Nylon 6/6 are available in Rectangular Bar with widths ranging from 1" to 6".
Custom cutting to length & grinding (rod) and cut-to-size & planing (sheet) services are available.

[®] Unital, Unipa, Unicar, Unilate, Unipet, Uninor, Uninar, Unitem, Unifone, Uniron, Unitrex, Unirum, Uniloy, Unithane, Unimer, Unitene, Unilar, Unidel, Unipen and Unipes are Registered Trademarks of Nytec Plastics, Ltd. Delrin, Kevlar, Hytrel, and Zytel are Registered Trademarks of E. I. Dupont Nemours & Co. Noryl, Ultem, and Xenoy are Registered Trademarks of G.E. Plastics. Aurum and TPX are Registered Trademarks of Mitsui Toatsu Chemical, Inc. Isoplast is a Registered Trademark of Dow Chemical Co. Halar is a Registered Trademark of Ausimont U.S.A., Inc. Ardel, and Radel are Registered Trademarks of Amoco Performance Products, Inc.

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