



ACETAL		FDA & USDA	21CFR 177.	3-A Dairy	NSF Std. 61	USP Class VI	UL94
Unital® H	Natural Homopolymer Acetal (POM)	Yes	2480	No	Yes	No	HB (0.060")
Unital H BK	Black Homopolymer Acetal (POM)	Available	2480	No	No	No	HB
Unital C	Natural Copolymer Acetal (POM)	Yes	2470	No	Yes	No	HB (0.030")
Unital C BK	Black Copolymer Acetal (POM)	Available	2470	No	No	No	HB
Unital LF-13	13% PTFE Powder filled Acetal (POM)	Yes	2480	No	No	No	HB
Delrin® 100AF-13	13% PTFE Fiber filled Acetal (POM) Blend	No		No	Yes	No	HB (0.060")
Delrin 100AF-20	20% PTFE Fiber filled Acetal (POM)	No		No	Yes	No	HB (0.060")
Delrin DE-588	PTFE Fiber filled Acetal (POM)	No		No	No	No	HB (0.060")
Unital esd	Electro-Static Dissipative Acetal (POM)	No		No	No	No	HB

EXTRUDED NYLON		FDA & USDA	21CFR 177.	3-A Dairy	NSF Std. 61	USP Class VI	UL94
Unipa® 6/6	Natural Nylon Type 6/6	Yes	1500	No	Yes	No	V-2 (0.118")
Unipa 6/6 BK	Black Nylon Type 6/6	No		No	No	No	V-2
Unipa Ld	MoS ₂ filled Nylon	No		No	No	No	HB
Unipa Im	Nylon Type 6/12	No		No	No	No	HB
Unipa Rg-30	30% Glass Fiber filled Nylon 6/6	No		No	No	No	HB
Unipa Rk	Kevlar® Fiber filled Nylon 6/6	No		No	No	No	HB
Unipa im	Impact Modified Nylon 6/6 (ST-801)	No		No	No	No	HB

HIGH PERFORMANCE MATERIAL		FDA & USDA	21CFR 177.	3-A Dairy	NSF Std. 61	USP Class VI	UL94
Unicar® PC	Natural Polycarbonate (PC)	No		No	No	No	HB (0.125")
Unicar PC BK	Black Polycarbonate (PC)	No		No	No	No	HB (0.125")
Unicar Rg-20 BK	20% Glass Fiber filled Black Polycarbonate (PC)	No		No	No	No	HB (0.125")
Unilate® PBT	Natural Polybutylene Terephthalate (PBT)	Yes	1660	Yes	Yes	No	HB
Unipet® PET	Natural Polyethylene Terephthalate (PET)	Yes	1630	Yes	No	No	HB
Uninor® PPO BK	Black Modified Polyphenylene Oxide (PPO)	No		No	No	No	V-0 (0.240")
Uninor Rg-30	30% Glass Fiber filled Polyphenylene Oxide (PPO)	Yes	2460	No	No	No	HB
Uninar® PVDF	Type 740 Polyvinylidene Fluoride (PVDF)	Yes	2510	Yes	Yes	Yes	V-0 (0.060")
Unitem® PEI	Natural Polyetherimide (PEI)	Yes	1595	No	No	Yes	V-0 (0.016")
Unitem Rg-10	10% Glass Fiber filled Polyetherimide (PEI)	No		No	No	No	V-0 (0.016")
Unitem Rg-20	20% Glass Fiber filled Polyetherimide (PEI)	No		No	No	No	V-0 (0.016")
Unitem Rg-30	30% Glass Fiber filled Polyetherimide (PEI)	No		No	No	No	V-0 (0.010")
Unitem Rg-40	40% Glass Fiber filled Polyetherimide (PEI)	No		No	No	No	V-0 (0.010")
Unifone® PSU	Natural Polysulfone (PSU)	Yes	1655	Yes	Yes	Yes	V-0 (0.240")
Unitron® PPS	Natural Polyphenylene Sulfide (PPS)	No		No	No	No	V-0 (0.031")
Unitrex® PEEK	Natural Polyetheretherketone (PEEK)	Yes	2415	Yes	No	No	V-0 (0.057")
Unitrex Rg-30	30% Glass Fiber filled PEEK	No		No	No	No	V-0 (0.057")
Unitrex Rc-30	30% Carbon Fiber filled PEEK	No		No	No	No	V-0 (0.057")

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ACETAL		ASTM Resin Specification	ASTM Stock Shape Specification	Superseded Military Sec.*
Unital® H	Natural Homopolymer Acetal (POM)	D6778 POM111**	D6100 S-POM0111	L-P-392a (C)
Unital H BK	Black Homopolymer Acetal (POM)	D6778 POM111	D6100 S-POM0111	L-P-392a (C)
Unital C	Natural Copolymer Acetal (POM)	D6778 POM211	D6100 S-POM0211	L-P-392a (C)
Unital C BK	Black Copolymer Acetal (POM)	D6778 POM211	D6100 S-POM0211	L-P-392a (C)
Unital LF-13	13% PTFE Powder filled Acetal (POM)	D6778 POM100/110 L13	D6100 S-POM0154 L13	
Delrin® 100AF-13	13% PTFE Fiber filled Acetal (POM) Blend	D6778 POM100/110 L13	D6100 S-POM0121 L13	
Delrin 100AF-20	20% PTFE Fiber filled Acetal (POM)	D6778 POM100/110 L20	D6100 S-POM0132 L20	
Delrin DE-588	PTFE Fiber filled Acetal (POM)	D6778 POM100/110 L20	D6100 S-POM0143 L20	
Unital esd	Electro-Static Dissipative Acetal (POM)	D6778 POM210 R(IDP)	D6100 S-POM0200 R(IDP)	

EXTRUDED NYLON		ASTM Resin Specification	ASTM Stock Shape Specification	Superseded Military Sec.*
Unipa® 6/6	Natural Nylon Type 6/6	D4066 PA0111 - PA0114	D5989 S-PA0111	L-P-410a (A)
Unipa 6/6 BK	Black Nylon Type 6/6	D4066 PA0110	D5989 S-PA0111	L-P-410a (A)
Unipa Ld	MoS ₂ filled Nylon	D4066 PA0110	D5989 S-PA0121	L-P-410a (A)
Unipa Im	Nylon Type 6/12	D4066 PA0613	D5989 S-PA0511	L-P-410a (A)
Unipa Rg-30	30% Glass Fiber filled Nylon 6/6	D4066 PA0110 G30	D5989 S-PA0101 G30	
Unipa Rk	Kevlar® Fiber filled Nylon 6/6	D4066 PA0110 R (Kevlar)	D5989 S-PA0101 R (Kevlar)	
Unipa im	Impact Modified Nylon 6/6 (ST-801)	D4066 PA0171	D5989 S-PA0101	

HIGH PERFORMANCE MATERIAL		ASTM Resin Specification	ASTM Stock Shape Specification	Superseded Military Sec.*
Unicar® PC	Natural Polycarbonate (PC)	D3945 PC0110	D6098 S-PC0111	L-P-393a (C)
Unicar PC BK	Black Polycarbonate (PC)	D3945 PC0110	D6098 S-PC0111	L-P-393a (C)
Unicar Rg-20 BK	20% Glass Fiber filled Black Polycarbonate (PC)	D3945 PC0110 G20	D6098 S-PC0100 G20	MIL-P-81390 (I)
Unilate® PBT	Natural Polybutylene Terephthalate (PBT)	D5927 TPES0110	D6261 S-TPES0111	
Unipet® PET	Natural Polyethylene Terephthalate (PET)	D5927 TPES0210	D6261 S-TPES0111	
Uninor® PPO BK	Black Modified Polyphenylene Oxide (PPO)	D4349 PPE220		MIL-P-46129A (C)
Uninor Rg-30	30% Glass Fiber filled Polyphenylene Oxide (PPO)	D4349 PPE220 G30		MIL-P-46131B (C)
Uninar® PVDF	Type 740 Polyvinylidene Fluoride (PVDF)	D3222		
Unitem® PEI	Natural Polyetherimide (PEI)	D5205 PEI0113		MIL-P-46184 (C)
Unitem Rg-10	10% Glass Fiber filled Polyetherimide (PEI)	D5205 PEI0113 G10		MIL-P-46184 (C)
Unitem Rg-20	20% Glass Fiber filled Polyetherimide (PEI)	D5205 PEI0113 G20		MIL-P-46184 (C)
Unitem Rg-30	30% Glass Fiber filled Polyetherimide (PEI)	D5205 PEI0113 G30		MIL-P-46184 (C)
Unitem Rg-40	40% Glass Fiber filled Polyetherimide (PEI)	D5205 PEI0113 G40		
Unifone® PSU	Natural Polysulfone (PSU)	D6394 SP0112		MIL-P-46120B (C)
Unitron® PPS	Natural Polyphenylene Sulfide (PPS)	D4067 PPS000		
Unitrex® PEEK	Natural Polyetheretherketone (PEEK)		D6262 S-PAEK0111	MIL-P-46183 (A)
Unitrex Rg-30	30% Glass Fiber filled PEEK		D6262 S-PAEK0122 G30	
Unitrex Rc-30	30% Carbon Fiber filled PEEK		D6262 S-PAEK0130 C30	

*Military specifications that have been superseded by the ASTM resin and/or stock shape specifications are listed for reference. The letter in parentheses indicates Active (A), Inactive (I), or canceled (C). Polymer Industries materials do not necessarily meet the requirements of the superseded military specifications listed.

**ASTM D4181 has been canceled and replaced with ASTM D6778.

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