

- KEY** (1) Current classification  
 (2) Obsolete, but properties can meet certification  
 (3) Old specification and no longer certifiable, and points to a counteroffer

<b>Delrin II 150SA NC10 Natural</b>	(1) ASTMD4181-88 POM111 (2) LP392A, TYPE II, CLASS I (2) ASTMD2133-78 & 81, TYPE II, CLASS A (2) ASTMD2133-64T GRADE II (2) ASTMD2133-62T CLASS I, TYPE II
<b>Delrin II 550SA NC10 Natural</b>	(1) ASTMD4181 POM110B44350 (2) LP392A, TYPE I, CLASS I (2) ASTMD2133-81 TYPE I, CLASS A (2) ASTMD2133-64T GRADE I (2) ASTMD2133-62T CALLS I, TYPE I (3) ASTMD4181 POM112
<b>Delrin 100 Series Black</b>	(1) ASTMD4181 POM110 BLACK U.V. RESISTANT (1) ASTMD4181 POM130 BLACK U.V. RESISTANT (3) ASTMD4181 POM131 BLACK U.V. RESISTANT
<b>Delrin 507 BK 601 Black</b>	(1) ASTMD4181 POM130B44350 U.V. RESISTANT (2) LP392A TYPE I, CLASS 2 U.V. RESISTANT (2) ASTMD2133-78 & 81, CLASS B U.V. RESISTANT (2) ASTMD2133-64T GRADE I, U.V. RESISTANT (2) ASTMD2133-62T CLASS 2, TYPE I, U.V. RESISTANT
<b>Delrin 100AF (20%) BLEND (14%)</b>	(1) ASTMD4181 POM110L20A21220 (1) ASTMD4181 POM110L14A00020 (3) MIL-P-6358C
<b>Delrin 500AF (20%) BLEND (14%)</b>	(1) ASTMD4181 POM112L20A9 (46) 9 (2400) 130 (1) ASTMD4181 POM110L14A00000
<b>Delrin 15% Glass-filled 570 Natural</b>	(1) ASTMD4181 POM112G15A00000
<b>Derlin 20% Glass-filled 570 Natural</b>	(1) ASTMD4181 POM112G20A349(20)70 (3) ASTMD2948-81 (3) MIL-P-46137A TYPE I, CLASS 20
<b>Delrin 500CL Natural</b>	(1) ASTMD4181 POM112B44250
<b>Ultraform Copolymer Acetal, Grade H4320 Natural</b>	(1) ASTMD4181 POM211 (2) LP-392A, TYPE II, CLASS I (2) ASTMD2133-78 & 81 TYPE II, CLASS A
<b>Ultraform Copolymer Acetal Black, Grade H4320</b>	(1) ASTMD4181 POM211 (BLACK) NOT U.V. RESISTANT (2) LP-392A TYPE II (BLACK) NOT U.V. RESISTANT
<b>Delrin 107 BK 601 Black Delrin 107 Natural U.V. Resistant</b>	(1) ASTMD4181 POM130B44350 (1) ASTMD4181 POM131
<b>Delrin 507 Natural U.V. Resistant</b>	(1) ASTMD4181 POM132

# TRADE CLASSIFICATION LIST

<b>Nylon 6/6 – Zytel 42A Natural</b>	(1) ASTMD4066 PA111, 112, 113 (2) LP-410 NATURAL 6/6 (3) MIL-P-20693B, TYPE I (3) MIL-P-17091B, TYPE I – SUPERSEDED BY LP-410 AND MIL-P-20693B (3) MIL-M-19098 (2) ASTMD-789-81, TYPE I GRADE 4 (2) AMS 3617 (3) MIL-P-46060 TYPE I – SUPERSEDED BY LP-410
<b>Nylon 6/6 Black</b>	(1) ASTMD4066 PA181 (2) LP410 WEATHER RESISTANT (3) MIL-P-20693B TYPE II
<b>Nylon 6/6 Molybdenum Disulphide-filled Natural</b>	(2) LP410 LOW WEAR
<b>Nylon 6/12 Natural, Grade Zytel 159L</b>	(1) ASTMD4066 PA613 (2) LP410 LOW MOISTURE (3) MIL-P-20693B TYPE III (2) ASTMD789-81 TYPE VIII
<b>Nylon Zytel ST801 Natural</b>	(1) ASTMD4066 PA162 (3) MIL-P-46181 (MR)
<b>Nylon 13% Glass-filled Type 6 Natural</b>	(1) ASTMD4066 PA210G13A00000
<b>Nylon 45HSB Natural</b>	(1) ASTMD4066 PA124 (1) LP-410 HEAT STABILIZED (3) MIL-P-17091B TYPE I
<b>Hydlar Z – Nylon/Kevlar Natural</b>	(1) ASTMD4066 PA110R17(KEVLAR)A30460
<b>Polycarbonate Natural Lexan 1500 MAKRALON 3108</b>	(1) ASTMD3935 PC110B34720 (1) ASTMD3935PC116
<b>Hydex 4301 (PC) Natural</b>	(1) ASTMD3935 PC110 (3) LP393A (3) ASTMD2473-81 (3) AMS 3628
<b>Hydex 4301 Black</b>	(1) ASTMD3935 PC110 (BLACK)
<b>Hydex 4320 Black 20% Glass</b>	(1) ASTMD3935 PC110G20 (BLACK) (3) MIL-P-81390 TYPE II (BLACK)
<b>Polysulfone Amoco P1700 Natural</b>	(1) MIL-P-46120B TYPE I, CLASS I
<b>Noryl EN265BK701 Black</b>	(1) ASTMD4349 PPE220B50541F13G1106 (3) MIL-P-41629 CLASS 2
<b>Hytrell 5556 Natural</b>	(1) ASTMD4550TEEE335
<b>Hytrell 7246 Natural</b>	(1) ASTMD4550TEEE541
<b>PEEK 450 G Natural</b>	(1) MIL-P-46183 TYPE I
<b>ULTEM 1000 Natural FDA</b>	(1) ASTMD5205-91PEI0113 (3) MIL-P-46184 TYPE I

# TRADE CLASSIFICATION LIST

<b>ULTEM 2200 20% GLASS Natural</b>	(3) MIL-P-46184 TYPE II, CLASS II
<b>ULTEM 2300 30% GLASS Natural</b>	(3) MIL-P-46184 TYPE II, CLASS III
<b>ABS Natural &amp; Black</b>	(1) ASTMD4673-87 (BLACK AS REQUESTED) (3) ASTMD1788-73 (3) LP-1183B
<b>Hydex 4101 Natural FDA</b>	(1) ASTMD4507-85TPES110B00000
<b>Hydex 4101 Black</b>	(1) ASTMD4507-85TPES110B00000 BLACK AS REQUESTED
<b>Cast Acrylic Rod Clear</b>	(1) LP-391D ITEM B, TYPE I (3) AMS3581
<b>Cast Acrylic Tube Clear</b>	(1) LP-3910 ITEM C, TYPE I (3) AMS3581
<b>KYNAR #740 Natural</b>	(1) ASTMD3222 TYPE I, CLASS 2

## AGENCY APPROVALS

*Agencies such as FDA, USDA, NSF and 3-A concern themselves with food and drug related industries, plastics materials that meet the requirements for these agencies have "compliant" status.*

MATERIAL	FDA	USDA	NSF	3-A
DELTRIN II 150SA NC10 NATURAL	✓	✓	✓	✓
DELTRIN II 550SA NC10 NATURAL	✓	✓		
DELTRIN 100 SERIES BLACK				
DELTRIN 507BK601 BLACK				
DELTRIN 100AF (20 & 14) NATURAL				
DELTRIN 500AF (20 & 14) NATURAL				
DELTRIN 15% & 20% GLASS-FILLED NATURAL				
DELTRIN 500CL NATURAL				
ULTRAFORM COPOLYMER NATURAL 4320	✓	✓		
ULTRAFORM COPOLYMER BLACK 4320				
DELTRIN 107 BK601 U.V. BLACK				
DELTRIN 107 NATURAL U.V.				
NYLON 6/6-ZYTEL 42A NATURAL	✓	✓	✓	✓
NYLON 6/6 BLACK				
NYLON 6/6 MOLY-FILLED NATURAL				
NYLON 6/12 NATURAL	✓			
NYLON ST801 NATURAL				

# TRADE CLASSIFICATION LIST

## AGENCY APPROVALS (Cont)

MATERIAL	FDA	USDA	NSF	3-A
NYLON 13% GLASS-FILLED NATURAL				
NYLON ZYTEL 45HSB NATURAL				
HYDLAR Z				
POLYCARBONATE LEXAN 1500 NATURAL	✓	✓	✓	✓
HYDEX 4301 NATURAL				
HYDEX 4301 BLACK				
HYDEX 4320 20% GLASS BLACK				
POLYSULFONE 1700 NATURAL	✓	✓	✓	✓
NORYL EN265BK701 BLACK				
HYTREL NATURAL				
PEEK 450G NATURAL				
ULTEM 1000 AMBER NATURAL	✓	✓		
ULTEM 2200, 2300 NATURAL				
ABS NATURAL	✓	✓		
ABS BLACK				
HYDEX 4101 NATURAL	✓	✓		
HYDEX 4101 BLACK				
HYDEX 301 NATURAL	✓			
HYDEX 202 NATURAL	✓			
KYNAR 740 NATURAL	✓	✓		✓

We believe this information is the best currently available on the subject. It is subject to revision as additional knowledge and experience are gained. A.L. Hyde Company makes no guarantee of results and assumes no obligation of liability whatsoever in connection with this information. Anyone intending to use recommendations contained in this publication should first satisfy himself that the recommendations are suitable for his use and meet all appropriate safety and health standards. This publication is not a license to operate under, or intended to suggest infringement of any existing patents. References to products not of A.L. Hyde manufacture do not indicate endorsement of named products or unsuitability of other similar products.

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# HYDE

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