

General Motors Approvals

Nylon 6

Specification	Product Description	Approved Material
GMP.PA6.001	Nylon 6, 40% mineral & glass fiber reinforced, heat stabilized, UV stabilized for interior applications, lubricated, natural and colors	N60MG40HWL.NAT & COLORS
GMP.PA6.003	Nylon 6, plasticized, heat stabilized, modified for flexibility and processability for extrusion applications, black.	N602HSL.BK
GMP.PA6.005	Nylon 6, impact modified, heat stabilized, lubricated, natural and black.	N603HSL.NAT/BK
GMP.PA6.006	Nylon 6, 14% glass fiber reinforced, heat stabilized, lubricated, natural and black.	N60G14HSL.NAT/BK
GMP.PA6.008	Nylon 6, general purpose, heat stabilized, lubricated, natural and black.	N6050HSL.NAT/BK
GMP.PA6.009	Nylon 6, 33% glass fiber reinforced, heat stabilized, lubricated, natural and black.	N60G33HSL.NAT/BK
GMP.PA6.010	Nylon 6, 33% glass fiber reinforced, heat stabilized, exterior weather stabilized, lubricated, black, color matched.	N60G33HWL.BK9557
GMP.PA6.011	Nylon 6, 40% special mineral reinforced, heat stabilized, lubricated, natural and black.	N60MAF40HSL.NAT/BK
GMP.PA6.012	Nylon 6, 40% mineral & glass fiber reinforced, heat stabilized, lubricated, natural and black.	N60MG40HSL.NAT/BK
GMP.PA6.012	Nylon 6, 40% mineral & glass fiber reinforced, impact modified, heat stabilized, lubricated, black.	N60MFG40THSL.BK
GMP.PA6.013	Nylon 6, 40% mineral & glass fiber reinforced, heat stabilized, exterior weather stabilized, lubricated, black.	N60MG40HSWL.BK206 / BK9407
GMP.PA6.016	Nylon 6, high impact modified, heat stabilized, lubricated, black, extrusion or molding grade.	NST6065HL.SPN.NAT/BK
GMP.PA6.039	Nylon 6, 12 % glass reinforced, modified for blow molding, heat stabilized, lubricated, black	N60250G12HSLBM.BK
GMP.PA6.058	Nylon 6, "super tough", 33% glass reinforced, heat stabilized, weatherable, natural.	NST60G33HWL.NAT
GMP.PA6.060	Nylon 6, 20% glass bead reinforced, heat stabilized, U.V. stabilized, lubricated, natural, black, and colors.	N60GB20HWL/HSWL NAT/BK/COLORS
GMP.PA6.046R	Nylon 6, 40% mineral, glass reinforced, heat stabilized, natural and black, based on recycled polymer.	N60MG40HSL.RC.NAT/BK
GMP.PA6.069	Nylon 6, 20% special mineral combination, heat stabilized, black.	N60MAF20HSL.BK

GM7001M Line Callouts

Nylon 6

Specification	Product Description	Approved Material
GM7001-M PA6 (A22, A42, A64, BC730, DD1360, FXX, G20, K650, M340, R40, 51190, Z1)	Nylon 6, 30% glass bead reinforced, heat stabilized, lubricated, gray.	N60GB30HSL (XN889). GY
GM 7001-M PA6 (A22 A42 A43 A47 A64 BJ620 FA210 FB225 DD1300 SS85 KS580 MS400 RS3)	Nylon 6, 20% mineral reinforced, low warpage, heat stabilized, precolored grey.	N60MAF20HSL.GY
GM 7001M PA6 (A42 A43 A47 A64 B610 BJ620 DC1380 G20 KS1080 MS700 RS3 SS160)	Nylon 6, 30% mineral and glass fiber reinforced, heat stabilized, lubricated, black and natural	N60MAG30HSL.BK and N60MAG30HL.NAT

Nylon 66

Specification	Product Description	Approved Material
GM7001-M PA66 (A3 A22 A42 A47 A64 BA640 DD1460 F210 G20 KS1690 MS1000 RS8 SS226)	Nylon 66/ Nylon 6 blend, 40% glass reinforced , heat stabilized, internally lubricated, natural and black	N666G40HS2L.NAT/ BK0299
GM 7001-M PA66	Nylon 66, 15% glass reinforced, heat stabilized, internally lubricated, color matched to DX9 color standard	N66G15HSL.BK9609

PC/ABS

Specification	Product Description	Approved Material
GM7001-M PCABS (A1 A22 A46 A64 DE1150 KS448 MS211 RS40 Z01)	PC/ABS Blend, high impact, UV stabilized, precolored black. Meets weatherability standards per SAE J1960 2500 kJ Xenon Arc exposure	PC/ABS2521WLT.BK20

General Motors Approvals

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Nylon 66

Specification	Product Description	Approved Material
GMP.PA66.002	Nylon 6.6, 14% glass fiber reinforced, "super-tough" impact modified, heat stabilized, lubricated, natural and black.	NST66G14HSL.NAT/BK
GMP.PA66.002	Nylon 6.6, 14% glass fiber reinforced, "super-tough" impact modified, heat stabilized, special stabilizer system (non-halide) designed for colors. Natural and black approved.	NST66G14HL.NAT/BK
GMP.PA66.003	Nylon 6.6, 40% mineral & glass fiber reinforced, heat stabilized, lubricated, natural and black.	N66MG40HSL.NAT/BK
GMP.PA66.005	Nylon 6.6, unreinforced, lubricated, natural and black.	N6650L.NAT/BK
GMP.PA66.007	Nylon 6.6, 40% mineral reinforced, impact modified, heat stabilized, lubricated, natural and black.	N66M40THSL.NAT/BK
GMP.PA66.008	Nylon 6.6, 20% polytetrafluoroethylene (PTFE) modified, heat stabilized, lubricated, black.	N6650F20HSL.BK
GMP.PA66.009	Nylon 6.6, impact modified, heat stabilized, lubricated, black.	N6650T2HSL.BK
GMP.PA66.013	Nylon 6.6, 33% glass fiber reinforced, heat stabilized, lubricated, natural and black.	N66G33HSL.NAT/BK
GMP.PA66.015	Nylon 6.6, impact modified, heat stabilized, lubricated, natural and black.	N6650THSL.NAT/BK
GMP.PA66.018	Nylon 6.6, general purpose, heat stabilized, lubricated, natural and black.	N6650HSL.NAT/BK
GMP.PA66.020	Nylon 6.6, 13% glass fiber reinforced, heat stabilized, lubricated, natural and black.	N66G13HSL.NAT/BK
GMP.PA66.025	Nylon 6.6, 43% glass fiber reinforced, heat stabilized, lubricated, natural and black.	N66G43HSL.NAT/BK
GMP.PA66.034	Nylon 6.6, 33% glass fiber reinforced, modified with molybdenum disulphide, heat stabilized, natural and black	N66G33M2HSL.NAT/BK
GMP.PA66.035R	Nylon 6.6, 43% glass fiber reinforced, heat stabilized, lubricated, recycled polymer, natural and black.	N66G43HSL.RC.NAT/BK
GMP.PA66.039R	Nylon 6.6, 40% glass fiber reinforced, heat stabilized, lubricated, recycled polymer, natural and black.	N66G40HSL.RC.NAT/BK0299
GMP.PA66.054	Nylon 6.6, hydrolysis resistant, 33% glass reinforced, natural and black	N66G33HRL.NAT/BK
GMP.PA66.057	Nylon 6.6, 14% glass fiber reinforced, impact modified, heat stabilized, lubricated, black and gray.	N66G14T1HSL.NAT/BK/GY
GMP.PA66.059	Nylon 6.6, molybdenum disulfide filled, heat stabilized, natural and black.	N6650M2HS.NAT/BK
GMP.PA66.062	Nylon 6.6, "super-tough" impact modified, heat stabilized, lubricated, natural and black.	NST6650HSL.NAT/BK
GMP.PA66.065	Nylon 6.6, 33% fiberglass reinforced, internally lubricated, natural and black	N66G33L.NAT/BK0299
GMP.PA66.069	Nylon 6.6, 40% mineral reinforced, heat stabilized, lubricated, natural and black.	N66M40HSL.NAT/BK
GMP.PA66.074	Nylon 6.6, "Super-tough" impact modified, exterior weather stabilized, lubricated, black.	NST6650WL.BK206

General Motors Approvals

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Nylon 66

Specification	Product Description	Approved Material
GMP.PA66.076	Nylon 6.6, UV stabilized, 13% glass reinforced, heat stabilized, internally lubricated, natural and color matched to GM black- Ebony 167A standard	N66G13HSL.NAT N66G13HL.BK9526
GMP.PA66.082	Nylon 66, reinforced with aramid fiber and modified with PTFE powder, heat stabilized, lubricated, natural and black	N66AF12F14HSL.NAT/BK
GMP.PA66.089	Nylon 6.6, "super tough" impact modified, heat stabilized, exterior weather stabilized, lubricated, natural, black, and colors.	NST6650HWL.NAT NST6650HSWL.BK206 NST6650HWLKD ARGENT NST6650HWL.LT ARGENT NST6650HWL.BK848
GMP.PA66.091R	Nylon 6.6, 33% fiberglass reinforced, heat stabilized, lubricated, recycled polymer, natural and black.	N66G33HSL.RC.NAT/BK
GMP.PA66.093R	Nylon 6.6, 14% fiberglass reinforced, impact modified, heat stabilized, lubricated, recycled polymer, natural and black	N66G14T1HSL.RC.NAT/BK

High Temp Nylon

Specification	Product Description	Approved Material
GMP.PPA.004	High temp polyamide, 35% glass reinforced, heat stabilized, lubricated, natural/black	HPN200G35HSL.NAT/BK

ABS

Specification	Product Description	Approved Material
GMP.ABS.005	Acrylonitrile-Butadiene-Styrene, High Impact grade, natural and black.	ABS700TL.NAT/BK
GMP.ABS.008	Acrylonitrile-Butadiene-Styrene, 15% glass fiber reinforced, lubricated, natural and black.	ABS200G15L.NAT/BK
GMP.ABS.018R	Acrylonitrile-Butadiene-Styrene, general purpose, recycled polymer, black.	ABS400.RC.BK//BK3500
GMP.ABS.021R	Acrylonitrile-Butadiene-Styrene, medium impact, recycled polymer, black.	ABS400.RC.BK ABS400H.RC.BK

PC/ABS

Specification	Product Description	Approved Material
GMP.ABS+PC.002	Polycarbonate/Acrylonitrile-Butadiene-Styrene alloy, natural and black.	PC/ABS3731LT.NAT/BK
GMP.ABS+PC.015R	Polycarbonate/Acrylonitrile-Butadiene-Styrene alloy, 8% mineral reinforced, recycled.	PC/ABS1851M8
GMP.ABS+PC.017	Polycarbonate/Acrylonitrile-Butadiene-Styrene alloy, UV stabilized, natural and black.	PC/ABS3621WLT.NAT/BK
GMW15581P-ABS+PC-T1	Polycarbonate/Acrylonitrile-Butadiene-Styrene alloy, UV stabilized, natural and black.	PC/ABS3621WLT.NAT/BK

General Motors Approvals

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Polyester Elastomer

Specification	Product Description	Approved Material
GMP.EEBC.018	Thermoplastic Polyester elastomer, medium flow, modified with PTFE and silicone oil, precolored black	PBTE4525F5S2.BK

PBT

Specification	Product Description	Approved Material
GMP.PBT.009	Thermoplastic Polyester-Polycarbonate alloy, 30% glass fiber reinforced, lubricated, natural and black.	PBT82G30L.NAT/BK
GMP.PBTP.010	Thermoplastic Polyester (polybutylene terephthalate), 30% glass fiber reinforced, lubricated, PC modified, recycled polymer, natural and black.	PBT500G30L.RC.NAT/BK
GMP.PBTP.031R	Thermoplastic Polyester-Polycarbonate alloy, 30% glass fiber reinforced, lubricated, recycled polymer, natural and black.	PBT82G30L.RC.NAT/BK

PC

Specification	Product Description	Approved Material
GMP.PC.001	Polycarbonate, general purpose, molding grade, high clarity, low haze, lubricated, colorable.	PC20IR.CL

Acetal

Specification	Product Description	Approved Material
GMP.POM.013	Acetal, homopolymer, medium flow, internally lubricated, natural and black	AH50L.NAT/BK

Keital Source Approvals: GM

Acetal Copolymers

Specification	Product Description	Approved Material
GMP.POM.005	Acetal Copolymer, Medium Viscosity, Natural and Black.	Keital F20-03 (AC90) NAT/BK
GMP.POM.006	Acetal Copolymer, 25% Glass Fiber Reinforced.	Keital FG2025 (AC90GR25)
GMP.POM.008	Acetal Copolymer, Weather Resistant.	Keital F20-52 (AC90W)
GMP.POM.012	Acetal Copolymer, High Viscosity.	Keital F10-02 (AC25)
GMP.POM.021	Acetal Copolymer, Low Viscosity.	Keital F30-03 (AC270)

Delphi Automotive Systems

Acetal Homopolymer

Specification	Product Description	Approved Material
SD2-336 PARA 4.3	Acetal Homopolymer, medium viscosity, natural & black.	AH50.NAT/BK

Acetal Copolymer

Specification	Product Description	Approved Material
SD2-336 PARA 4.2	Acetal Copolymer, medium viscosity, natural & black.	AC90.NAT/BK

Nylon

Specification	Product Description	Approved Material
SD2-227	Nylon 66, 25% glass reinforced, hydrolysis resistant, heat stabilized, internally lubricated, black Approved by: Delphi Automotive Systems, Harrison Thermal Systems	N66G25HRL.BK
SD2-181	Nylon 66, 30% glass reinforced, hydrolysis resistant, heat stabilized, internally lubricated, black. Approved by: Delphi Automotive Systems, Harrison Thermal Systems	N66G30HRL.BK
DS 3118 Rev. DE1996 (Part # 7849171)	Nylon 66, impact modified, heat stabilized, internally lubricated, black. Approved by: Delphi Saginaw Steering Systems	NST6650HSL.BK05
M2170	Nylon 6, plasticized, heat stabilized, modified for flexibility and processability for extrusion applications, black.	N602HSL.BK

General Motors Approved Colors

(Approved for color and after Xenon are Weatherability 601.6 KJ/m exposure, unless indicated)

Color Code	Color Designation	Products Approved
9772	Light Neutral	N6650HL.NEUT 9772 N6650THL. NEUT 9772 @
9781	Light Gray	N6650THWL.GY2697 @ N6650HL.GY 9781
167A	Ebony	N60GB20HWL.BK9526 NST60G33HL.BK9526 ** N60MG40HWL.BK9407 N6650THWL.BK2666 ** PBTE4525SB2.EB2812/1 ** N6650THL.BK9526 @
314N	Very Light Cashmere	N6650THL.
D848	D848 Black	NST60G33HSL.BK2655** N60MG40HSL.BK2655**
311 N	Light Titanium	N6650THL
184 D	Pewter	AC90W.PEWT2447
195A	Neutral	AC90W.NEUT2539
830 K	Light Cashmere	N6650THL.

** Colors approved.

@ Colors approved after 1240 kJ.m2 weatherability testing.

Products Approved for use with Uniform Color Concentrates

Note : These color approvals were obtained by Uniform Color Company using our compounds and their color concentrates .
These colors have been approved with our products after durability testing (weathering). No internal product color designation exists currently as we have not created samples to date.

OEM	Color Code	Color Designation	Products Approved
General Motors	D848	Black	N60MG40HWL.
	195A	Medium Neutral	N60MG40HWL.
	9779	Medium Gray	N60MG40HWL.
	9772	Light Neutral	N60MG40HWL
	9902	Very Dark Gray	N60MG40HWL
	120A	Dark Adriatic	N60MG40HWL
	101E	Light Oak	N60MG40HWL
	104E	Dark Regal Blue	N60MG40HWL
	109D	Medium Pewter	N60MG40HWL
	110D	Medium Dark Pewter	N60MG40HWL
	167A	Ebony	N60GB20HWL

Automotive Products Color Matched Not Formally Approved by oem

General Motors Colors

Product	Color	Color Code
AC270W	Light Neutral	9772
AC270W	Light Gray	9771
N603HSL	Ebony	167A
PC10WL	Light Neutral	9772
PC10WL	Light Gray	9771
N60MG40HWL	Light Titanium	311N
N60G33HSL	Black	D848
N66G14T1HSL. BK2655	Black	D848
N66G33HSL. BK2844	Black	D848
N66M40HSL	Black	D848
PC/ABS3731LT. EB2856	Ebony	167A
AC90W	Medium Neutral	195A