

Automotive Approvals



Asia - Vydyne Products

OMD	Vydyne Products
Chery	R530H, R530HT, R535H, R530HR
Geely	R530H, R530HR, 47H
Nissan (Renault)	AS22 (R530H BK0201), AS23 (R530H BK02), AS26 (R530H BK0201, R530HR BK652)
SAIC	R530H

Europe - Vydyne Products

OMD	Application	Material Specification	Vydyne Products	Status
BMW	RET	Not Listed	R530H BK	Some ¹
Fiat	Lamp Bezels		20NSP BK	Approved
Opel	RET	GME 60460 => GM 16270	R530H BK	Approved
	CAC Inlet		R535H BK	Approved
	CAC Outlet		R535H BK	Approved
	Carbon Canister		22 HSP Black	Approved
	Fans & Shrouds		R530H BK	Approved
PSA	RET	FTM64 0046	R530H BK0201, R525H BK0201 Q564	2015 ²
	CAC		R535H BK02	2015 ²
Renault	RET	UB09c	R530H BK0201	Approved
	Engine Mounts	UB14	R550HC BK02 Q614	Approved
	Diesel Filter	UB03h	R530H BK0201	Approved
	Thermostatic Casing	UB09a	R530H BK0201	Approved
	Plug, Clamp, Clips	UB15	22HSP	Approved
VW	RET	TL 52062 => TL 52682	R530H BK	Approved
	CAC Inlet		R530HT BK	Approved
	CAC Outlet		R535H BK	Approved
	CHC		R530H BK02, R540H BK02	Approved
Nearly All	Cable Ties, Fasteners	Many	21SPC, 21SPF, 22HSP	Approved

1. Use for some application

2. FTM to be released in 2015

North America / Ford - Vadyne Products

Ford specifications for plastic materials are identified by the prefix ES for older specifications and WS for the new Worldwide formats using ISO methods, followed by "M4D", followed by the number of the specifications and a suffix.

Material Specification	SAE J1639 Callout	Polymer Type	Vadyne Approval
ESA M4D 349A	PA 1112 Z6	15% GF PA66 grade	R513 Natural and Black
ESA M4D 349A	PA 1112	15% GF PA66 grade	R513H Natural and Black
ESA M4D 349B		15% GF PA66 grade	R413H Natural and Black
ESB M4D 133 A	PA 1816 Z6	33% GF PA66 grade	R633H, R633H-01
ESB M4D 353 A1		40% MF PA66 grade	R100, R200
ESB M4D 353 A4		40% MF PA66 grade	R220, R228, R840, R840 Black
ESB M4D 353 A7	PA 1147	40% GF/MF PA66 grade	R400G, R400G Black, R860, R860 Black
ESE M4D 287 A	PA 1116	33% GF PA66 grade	R533H, R533H Black
ESE M4D 287 B	PA 1116	33% GF PA66 grade, HS (Black JA6A approved)	R533H, R533H Black
ESF M4D 335 A		43% GF PA66 grade	R543, R543 Black, R543H, R543H Black
ESL M4D 533 A	PA 1816	33% GF PA66 grade (Black Interior JA6A)	R633H-05 Black
SAE J1639 ¹	PA 1112	13% GF PA66 grade	R513, R513 Black, R513H, R513H Black
SAE J1639 ²	PA 0171	Impact Modified, HS	47H, 47H Black
WSA M4D 768 A	PA 1116 Z6	33% Glass, Translucent PA6,6	R533T
WSK M4D 647 A	PA 0121Z6	General purpose	21SP, 21SP Black, 21SPF Natural, 21SPF Black
WSK M4D 648 A ³	PA 0121	HS PA66	22H, 22H Black, 22HSP, 22HSP Black
WSK M4D 663 A	PA 1116	33% GF PA66 grade	R533H, R533H Black
WSK M4D 666 A	PA 0172	High Impact, HS	41H, 41H Black
WSK M4D 752 A		30% Glass Hydrolysis Resistant	R530H Black
WSK M4D 823 A	PA 1147	40% GF/MF PA66 grade	R400G
WSK-M4D641-A		25% GF PA66 grade, HS	R525H Black
WSK-M4D642-A		30% Glass Fiber, HS	R530H Black
WSK-M4D642-A2		30% GF PA66 grade, HS	R530H Black
WSK-M4D673-A		35% Glass Fiber, HS	R535H Black
WSK-M4D719-A ⁴	PA 1147	40% GF/MF PA66 grade	R400G Natural and Black
WSKM4D719A	PA 1147	38% GF/MF PA66 grade	R400G, R400G Black
WSK-M4D706-A		Medium Impact, HS	47H, 47H Black
WSS-M4D706-B1		Medium Impact, HS	47H, 47H Black
WSS-M4D648-B1	PA 0121	HS PA66	22HSP

1. Replaced ESA-M4D 349-A

GF - Glass Filled MF - Mineral Filled HS - Heat Stabilized IM - Impact Modified RTI - Relative Thermal Index

2. Replaced ESB-M4D 178-A

3. Replaced ESF-M4D 82-A

4. Replaced ESF-M4D 417-A

North America / Chrysler Corporation - Vydine Products

Chrysler Corporation specifies plastics via a two-number system; an MSDB number and CPN number. The following nylon MSDB numbers have been converted to MSDB 41: DB45, DB48, DB416, DB418, DB426, DB427, DB430, DB431, DB432, DB433, DB437, DB441, DB444, DB446, DB447, DB451, DB453, DB455, DB457, DB465, DB466, and DB470.

CPN	Color/Form/use	Vydine Product
1076	Natural, Type B, HS	22H, 22HSP
1826	Black, Impact Modified, HS	47H Black
1853	Natural, 33% GF PA66 grade	R533
1899	Black, Type B, HS for Non-UV Parts	22H Black, 22HSP Black
1900	Black, 33% GF PA66 grade, HS	R533H Black
1938	Natural, Type A	21X, 21SPF
1948	Black, Type A, For Interior Applications (w/Concentrate 58S for 21X and 21SPF only)	21X Black, 21SPF Black, 21SPG Black
2017	Black, Type A, for Weatherable Exterior	25W
2043	Natural, 33% GF PA66 grade, HS	R533H
2043	33% Glass-reinforced, HS, Translucent	R533T
2239	Black, 13% GF PA66 grade, HS	R513H Black
2310	Natural, 40% MF PA66 grade, HS	R220
2438	Natural, Impact Modified, HS	41H
2438	Natural, High Flow, Impact Modified, HS	55HSP
2443	Black, 40% MF PA66 grade, HS	R228 Black, R840 Black
2508	Black, 43% GF PA66 grade, HS	R543H
2521	Natural, Impact Modified, HS	47H Natural
2554	Black, 40% GF/MF PA66 grade, HS	R400G
2565	Black, Impact Modified, HS	41H Black
2565	Black, High Flow, Impact Modified, HS	55HSP
2727	Black, 33% GF PA66 grade, HS, Hydrolysis Resistant	R533H Black
3189 CANOD	Charcoal Gray, 40% MF PA66 grade	R220
3275	CANOD, Copolymer, 33% GF PA66 grade, Color Painted Outside Goor Handles	R633H-01
3454	40% MF PA66 grade	R840
3490 ¹	Non-Color Match, General Purpose, HS	22HSP
4005	Black, 33% Glass-reinforced, Nylon 66/6	R633H-05
4014 ²	100% Color Match, 35% GF PA66 grade, HS	R533H Black
4018	Black, 30% GF PA66 grade, HS, Hydrolysis Resistant	R530H Black
4098	Black, 25% Glass Fiber, HS	R525H Black
4814	Black DX9 w/Clariant AB94631576	22HSP

1. Non-match color

GF - Glass Filled MF - Mineral Filled HS - Heat Stabilized IM - Impact Modified RTI - Relative Thermal Index

2. Color match

North America / General Motors - Vadyne Products

Material Specification	Polymer Type	Vadyne Product
GMP PA66.003	38% GF/MF PA66 grade, HS	R860 Natural and Black
GMP PA66.005	General Purpose	21, 21SP, 21SP Black, 21SPF, 21SPF Black, 21X, 21X Black
GMP PA66.013	33% GF PA66 grade, HS	R533H, R533H Black, R533T
GMP PA66.015	Medium Impact, HS	47H, 47H Black
GMP PA66.018	General Purpose, HS	22H, 22H Black, 22HSP, 22HSP Black
GMP PA66.020	13% GF PA66 grade, HS	R513H, R513H Black
GMP PA66.025	43% GF PA66 grade, HS	R543H, R543H Black
GMP PA66.039R	40% GF PA66 grade	R8540H, R8540H Black
GMP PA66.040	30% GF PA66 grade, HS	R530H Natural and Black
GMP PA66.042R	38% GF/MF PA66 grade, HS	R860, R860 Black
GMP PA66.043R	40% MF PA66 grade	R840, R840 Black
GMP PA66.046	25% GF PA66 grade, HS, HR	R525H Natural and Black
GMP PA66.054	33% GF PA66 grade, HS, HR	R533H Natural and Black
GMP PA66.058	25% GF PA66 grade, Ignition resistant	909, 909 Black
GMP PA66.062	High Impact, HS	41H, 41H Black
GMP PA66.083	25% GF PA66 grade, HS	R525H, R525H Black
GMP PA66/6.002	33% GF PA66 grade, HS	R633, R633H Natural and Black
GMP PA66/6.004	33% GF PA66 grade, HS, UV	
R633H Natural and Black		
GMW3038P PA66GF15H	15% GF PA66 grade, HS	R515H Natural and Black
GMW3038P PA66GF25H	25% GF PA66 grade, HS	R525H Natural and Black
GMW3038P PA66GF30H	30% GF PA66 grade, HS	R530H Natural and Black
GMW3038P PA66GF35H	35% GF PA66 grade, HS	R535H Natural and Black
GMW3038P PA66GF40H	40% GF PA66 grade, HS	R540H Natural and Black
GMW3038P PA66GF50H	50% GF PA66 grade, HS	R550H Natural and Black
QK 003013 H		R530H
QK 002921		21SPC, 22HSP
QK 002921 E		49H, 53HSP, 55HSP
QK 003012 H		R525H
QK 003013 HW		R530H
QK 003014 H		R535H
GMW16447P-PA66-T1	Impact, HS	49H, 49H Black
GMW16447P-PA66-T2	Medium Impact, HS	47H, 47H Black
GMW16447P-PA66-T3	High Impact, HS	41H, 41H Black
GMW16270P-PA66-GF25	25% GF PA66 grade, HS	R525H Natural and Black
GMW16270P-PA66-GF30	30% GF PA66 grade, HS	R530H Natural and Black
GMW16270P-PA66-GF35	35% GF PA66 grade, HS	R535H Natural and Black
GMW16036P-PA66	General Purpose, HS	22HSP, 22HSP Black

GF - Glass Filled MF - Mineral Filled HS - Heat Stabilized IM - Impact Modified RTI - Relative Thermal Index

North America / Various - Vydne Products

OMD	Specification Number	Vydne Product
Delphi	M-2809	R240
	M-2982	R865
	6644	21X
	6951	20N
	M-26022-P	22H
	M-26029-P	R208
	M-53101	22H
	M53103A	R533H Natural and Black
	M5543	R533H Natural and Black
	D-2-180	R538H
	SD-2-181	Black R530H
	SD-2-214 (4.1)	R228 Black
	SD-2-214 (4.5)	R540H
	SD-2-227	R525H Black
	2-20, Type I, 4B SG	R533H/R533H Black
	2-20, Type I, 4B-S	R533H
	2-20, Type I, 5A-S	R240
	2-20, Type I, 5B-S	R220, R228
	2-20, Type I, 5B-SP	R840
	2-20, Type I, 6A-S	R865 Black
	M-862	20V
	PMS NY1	21X
	PMS NY4	R220
	M-5507	22HSP
	PM 520-004	21X
	M-3592	49H
	M2279	R413H
	M6538	909
	M-4692	R533H
	7826921 5293	R533H Black
Nissan	PA66-INX-1	21SPC
TagAZ	TAMS-8700-01	21Z
	TAMS-8710-01	52HSP
	TAMS-8710-02	55HSP
	TAMS-8721-01	R515H
	TAMS-8723-01	R530H
	TAMS-8729-01	R533H
	TAMS-8733-01	R860
	TAMS-8733-02	R860
TAMS-8764-01	R220, R228	
Toyota	TSM5603G-2C	R543H
	TSM5603G-4	R860