

MS No.	CPN	Color	Material/Grade	Bayer Color #	Asian Approved Site*	Description
Apec® High-Heat PC						
DB 150	2848	Black	1700	901510		High temperature resistant polycarbonate
			1705	901510		
DB 150	2849	Black	1800	901510		High temperature resistant polycarbonate
			1805	901510		
			1895			
DB 150	2876	Gray	1800	901510		High temperature resistant polycarbonate
			1805	901510		
			1895			
DB 150	2950	Natural	1800	000000		High temperature resistant polycarbonate
			1805	000000		
			1895			
DB 150	3634	As noted on drawing	2097	551022		High temperature resistant polycarbonate
DB 150	3635	As noted on drawing	1803			Lens grade material
DB 150	3818	As noted on drawing	1805			High temperature resistant polycarbonate
			1895			
DB 150	4511	Black	2095	901510		High temperature resistant polycarbonate
DB 153	3770	As noted on drawing	1800			Exterior lamp housings
			1805			
Bayblend® PC/ABS Blend						
DB 195A	2637	Black	T45	901510		General purpose alloy
			2753	901510		
DB 195A	3406	Gray	T45	702256		General purpose alloy
			2753	702256		
DB 195A	3407	90% Color Match	2753			ABS/PC alloy for general purpose painted applications
DB 195B	3448	Gray	2953	702256		High Impact Plating Grade PC/ABS
DB 195C	2595	Natural	KU2-1580	000000		High heat plating grade
		Gray		702256		
DB 195D	3159	Natural	T85 Type D	000000		High heat, high impact
			T85 BBS201/Type D	000000		High heat, high impact
			T85-XF Type D & E	000000		High heat, high impact, humidity resistant
			T85-XF Type D	000000	Caojing, China	High heat, high impact
DB 195D	3336	Gray	T85 BBS201/Type D	702256		High heat, high impact
DB 195D	3401	Black	T85 Type D	901510		High heat, high impact
			T85 BBS201/Type D	901510		High heat, high impact
			T85-XF Type D & E	901510		High heat, high impact, humidity resistant
			T85-XF Type D	901510	Caojing, China	High heat, high impact
DB 195D	3408	90% Color Match	T85 BBS201/Type D			High heat, high impact
DB 195D	3696	As noted on drawing	T85 BBS201/Type D			Interior mirror housings material
DB 195H	2719	Black	T65 Type A	901510		High heat, high impact
DB 206	3807	Black	T88-4N	901510		20% glass fiber reinforced / ASTM 4673-96 ABS040G202268
DB 206	4865		T88 GF-10			10% glass fiber reinforced
Bayflex® Elastomeric PU RIM System						
AY 344	3353	Natural	110-50 + 6% Milled Glass (for higher mold shrinkage)	1000		Paintable glass filled polyurethan elastomer
AY 345	3028	Natural	110-50	1000		Ornamentation-painted wheel lip flares
AY 345	3523	Natural	110-35	1000		Paintable RIM polyurethan elastomer
AY 345	3976	Black	U132A & B, MP10,000 (Intn'l mold rel)			Quarter window seal for 99WJ (material previously used -- ODD Box)
Bayfill® Semi-Rigid PU Foam System						
DC 640	3431	Natural	30			3.0 PCF semi-rigid PU foam for energy-absorbing applications
DC 640	3534	Black	Type A			3.0 PCF semi-rigid PU foam for energy-absorbing applications
DC 640	3535	Black	Type B			3.5 PCF semi-rigid PU foam for energy-absorbing applications
DC 640	3536	Black	Type B			3.5 PCF semi-rigid PU foam for energy-absorbing applications
DC 640	3537	Natural	Type C			4.5 PCF semi-rigid PU foam for energy-absorbing applications
DC 640	3538	Black	Type C			4.5 PCF semi-rigid PU foam for energy-absorbing applications
DC 646	3804	Natural	EA-175			Rigid PU foam

Asian Approved
 Site*

MS No.	CPN	Color	Material/Grade	Bayer Color #	Description
			Makrofol® Polycarbonate film		
DB 145	2700	Clear	Makrofol DE 1-1 PCEE		0.005" polycarbonate film for exterior ornamentation
DB 145	2894	Black	Makrofol PC		Polycarbonate film for tail lamp application
			Makrolon® Polycarbonate		
DB 145	1829	Black	2400 2600 2800	901510 901510 901510	General purpose injection molding grade for non UV applications
DB 145	1838	Clear	2400 2600 2800 3200 2607	550115 550115 550115 550115 550115	General purpose injection molding grade for non UV applications
DB 145	2188	White Opaque	2400 2600 2800	013129 013129 013129	General purpose injection molding grade with UV stabilizer Polycarbonate for exterior lamp housings non-UV applications
DB 145	2268	Gray	2400 2600 2605 2800	702060 702060 702060 702060	Injection molding grade PC
DB 145	2343	Amber	AL-2647	256866	UV stabilized, uncoated polycarbonate for exterior lamp applications
DB 145	2387	Medium Amber	AL-2647	256866	UV stabilized polycarbonate with Acrylic Coatings (Bayer LC50 coating or Bee Chemical LS123X) for '79 Newport side marker relex reflector
DB 145	2469	Light Red	AL-2647	357868	UV stabilized polycarbonate with Acrylic Coatings (Bayer LC50 coating or Bee Chemical LS123X) for F & L body corporate side marker lens
DB 145	2555	Medium Red	AL-2647	357866	Uncoated polycarbonate
DB 145	2616	Black	T-7435	901510	Impact modified PCC for thick sections, grained and painted
DB 145	2617	Gray	T-7435	700884	Impact modified polycarbonate for non-UV applications
DB 145	3060	Black	T-7435	901510	Impact modified polycarbonate for non-UV applications
DB 145	3357	Light Gray	2400 2800	702278 702278	General purpose injection molding grade for non-UV applications
DB 145	3460	Smoked Gray	2600 2800 2500	702278 702278 702278	N-body fog lamp lens
DB 145	3500		2600 2605	As noted on drawing As noted on drawing	Injection molding grade polycarbonate - non UV applications
DB 145	3722	Natural Red	LISA KL-3-9400 LISA KL-1-9400 L-935-1063		Injection molding grade for instrument cluster
DB 145	3772		2207 2400 2405	90% color match amber As noted on drawing As noted on drawing	High flow, injection molding grade Injection molding grade PC
DB 145	3790		1260	As noted on drawing	High flow, impact modified polycarbonate
DB 145	4013	Clear	2607	550115	General purpose injection molding grade with UV stabilizer
DB 185	2121	Medium Red	AL-2647	357866	UV stabilized polycarbonate with Acrylic Coatings (Bayer LC50 coating or Bee Chemical)
DB 185	2180	Clear	AL-2647		UV stabilized PC with approved coating per MS PP12-4, non abrasion resistant applications only, must meet FMVSS 108 requirements
DB 185	2281	Clear	AL-2647		UV stabilized uncoated polycarbonate, must meet FMVSS 108 request, non-reflex applications only
DB 185	2343	Amber	AL-2647	256866	UV stabilized uncoated polycarbonate for exterior lamp lenses
DB 185	2387	Medium Amber	AL-2647	256866	Polycarbonate for '79 Newport side marker relex reflector
DB 185	2792	Light Red	AL-2647	357868	Center high mounted stop lamp
DB 185	3309	Gray Transparent	AL-2647	752960 752969 752970	UV stabilized uncoated polycarbonate for deck lid application
DB 185	3459	Light Amber	AL-2647	256861	UV stabilized uncoated polycarbonate for exterior lenses conforming to MVSS
DB 185	4136	Non-matched color	AL-2647		UV stabilized polycarbonate exterior lens grade.
DB 185	4137	Non-matched color	AL-2647		UV stabilized polycarbonate exterior lens grade.
DB 185	4138	Non-matched color	AL-2647		UV stabilized polycarbonate exterior lens grade.
DB 185	4138	Non-matched color	AL-2447		UV stabilized polycarbonate exterior lens grade. High-Flow 18-24g/10 min.

Chrysler Group

Material Approval List

Engineering Polymers by Bayer MaterialScience



Bayer MaterialScience

MS No.	CPN	Color	Material/Grade	Bayer Color #	Asian Approved Site*	Description
			Texin/Desmopan® TPU			
DB 420	1690	Natural	Texin 285	000000		80 Shore "A" durometer themoplastic polyurethane
DB 421	1691	Natural	Texin 390	000000		92 Shore "A" durometer themoplastic polyurethane
DB 422	1692	Natural	Texin 453	000000		55 Shore "D" durometer themoplastic polyurethane
DB 420	1693	Black	Texin 285	901510		80 Shore "A" durometer themoplastic polyurethane
DB 421	1694	Black	Texin 390	901510		92 Shore "A" durometer themoplastic polyurethane
DB 422	1695	Black	Texin 453	901510		55 Shore "D" durometer themoplastic polyurethane
DB 445	2159	As noted on drawing	Texin 985U			90 Shore "A" durometer polyether base TPU; weatherable
DB 445	3990	As noted on drawing	Texin 985			90 Shore "A" durometer polyether base TPU
DB 450	2213	Black	Texin 453	901510		Polyurethane for license plate closure
DB 450	2233	Natural	Texin 453	000000		Elastomeric polyurethan for impact energy absorber sliding seal
DC 647	4839		Desmopan 85784AP	802204 & 802205		Thermoplastic Polyurethane - Instrument Panel Applications



Ford Spec No.	Visteon Spec No.	Material/Grade	Description
		Apec®	
		High-Heat PC	
ESB-M4D100-A2		1703	Polycarbonate with UV stability
WSK-M4D796-A1	PC031000-U000CLT	1805	High heat polycarbonate w/release agent
		1803	High heat polycarbonate w/UV stability
		1895	High heat polycarbonate w/release agent
WSK-M4D796-A2		1800	High heat polycarbonate
		1803	High heat polycarbonate w/UV stability
WSS-M4D796-A2		1895	High heat polycarbonate
WSS-M4D796-A3	PC031000-U00X1M	1705	Polycarbonate with release agent
		1703	Polycarbonate with UV stability
		1695	High heat/flow polycarbonate w/release agent
	PC031000-U00X1M	1795	High heat polycarbonate
	PC031000-U00X1M	1895	High heat polycarbonate
	PC031000-U00Y1T	1803	High heat polycarbonate
	PC032000-U00X1M	1603	High heat polycarbonate
	PC032000-U00X1M	1600	High heat polycarbonate
		Bayblend®	
		PC/ABS, PC/ASA Blend	
ESB-M4D585-A		T85	High heat
		T85-XF	High heat, Soft-Flow
		T85 BBS201	High heat
WSS-M4D585-B	PCABS100	T85	High heat
		T85-XF	High heat, Soft-Flow
		T85 BBS201	High heat
WSB-M4D682-A3		W90XG	PC/ASA exterior weatherable grade
WSK-M4D684-A1		T65	Medium impact
WSK-M4D684-A2		T65	Medium impact, interior
WSK-M4D685-A		T65	Medium impact, exterior
WSA-M4D688-A1		T85	High impact
WSA-M4D688-A2		T85 & T85 BBS201	High impact
WSK-M4D697-A1		T85 & T85 BBS201	High impact, easy flow
WSK-M4D697-A2		T85	High impact, easy flow, interior
WSA-M4D785-A1		T45	General purpose, easy flow
		2953	
WSF-M4D785-A3		T45	12% TiO ₂ filled
WSK-M4D791-A1		T65	Medium impact
WSB-M4D813-A		2953	Electroplating grade
		T45-PG	Global electroplating grade
WSB-M4D816-A2		2753	Medium impact
WSB-M4D867-A		T88-2N	10% glass filled
		KU2-1522	10% glass filled, easy flow
WSB-M4D923-A		KU2-1473	Low gloss PC/ABS
WSB-M4D924-A		KU2-1473	Low gloss PC/ABS
		Bayfill®	
		Polyurethane Foam	
WSS-M99P29-A		EA-2204	Energy absorbing foam
		EA-F20	
		Desmopan®	
		TPU	
ESA-M4D187-A		453	Polyurethane elastomer, 53 durometer D hardness
WSK-M4D755-A1		355	Polyurethane elastomer, 55 durometer D hardness
WSK-M4D755-A2		392	Polyurethane elastomer, 40 durometer D hardness
		Makroblend®	
		PC/PET Blend	
WSS-M4D879-A3		UT-1018	Polycarbonate/PET blend

Ford Spec No.	Visteon Spec No.	Material/Grade	Description
		Makrolon® Polycarbonate	
ESF-M4D100-A1		2405, 2407, 2600, 2603, 2605, 2607, 2647, 2800, 2803, 2805, 2807, 3100, 3103, 3105, 3107, 3200, 3203, 3205, 3207 2405	General purpose General purpose - high melt flow
ESB-M4D100-A2		AL-2647 AL-2447	Optical grade, coated Colors: Clear/551068 & 551070, Light Red/357868, Red/357866, Amber/256847, 256908, & 256894 High melt flow lens grade Colors: Clear/551068 & 551070, Light Red/357868, Red/357866
ESB-M4D100-A3		AL-2647 AL-2447	Optical grade, uncoated Colors: Clear/551068, Red/357866, Amber/256866, Light Neutral/752970, Dark Neutral/752969 High melt flow lens grade Colors: Light Neutral/752970, Dark Neutral/752969
ESB-M4D100-C1		T-7855 T-7435 DP1-1090	Low temperature impact resistant
ESB-M4D309-A		8315	12% glass fiber reinforced
WSS-M4D309-C		8315	12% glass fiber reinforced
WSB-M4D627-A		T-7435	Low temperature impact resistant
WSS-M4D627-A2		CD-2005	Very high flow
WSK-M4D761-A		2603 2607 2803 2807	Medium flow, interior
WSK-M4D761-A2		2403 2405 2407	High flow, interior
WSK-M4D775-A1		AL-2643 AL-2647	Medium flow, exterior
WSK-M4D775-A2	PC013000-U00CLT PC013000-U00CLT PC011000-U00X1M	AL-2643 AL-2647 AL-2443 AL-2447 2605	Medium flow, exterior, optical grade
		Texin® TPU	
SAE J200 Line call out		985U SAE J200 M4BG828A14B14EA14 EF11EF21F17Z1Z2Z3Z4	90 Shore "A" durometer polyether base TPU; weatherable Polyurethane elastomer, 85 durometer A hardness, exterior weatherable grade (see grade listing column for complete call out)
WSB-M4D650-A		4210	TPU/PC blend
WSF-M4D650-A2		4215	TPU/PC blend
WSK-M4D755-A1		255	Polyurethane elastomer, 55 durometer D hardness



GM NA Spec	Class	Material & Grade	Asian Approved Site*	Description
Apec® High-Heat PC				
GMN 7314		2000 2003 2005 2095		High flow grade
GMP.PAT.001		1803 1805		Polyarylterephthalate
GMP.PC.019		1800 1800 1805		PC copolymer
GMP.PC.020		1803 1803		PC copolymer - exterior lens
GMP.PC.024	Type I L Type I Type I Type II Type III L Type III Type IV Type IV L	1603** 1605** 1695** 1795 1803 1895 2095 2097**		Exterior lens grade Standard flow grade High heat grade High flow grade Exterior lens grade High flow grade High flow grade High flow grade with UV and release
Bayblend® PC/ABS Blend				
GM 7001M		T65 T65-MN		Medium heat and impact
GMP.ABS+PC.002		T85 T85-XF T85-BBS201	Caojing, China	General purpose, heat stabilized High heat, soft flow Nomenclature formerly known as KU2-1481
GMP.ABS+PC.003		T45		General purpose alloy
GMP.ABS+PC.006		T88-2N		10% glass filled
GMP.ABS+PC.009		T65		Medium heat and impact
GMP.ABS+PC.012		2953 KU2-1580 T45-PG T85 (replaces T84)		High impact, heat stabilized, plating grade Medium heat, plating grade Medium heat, high impact
GMP.ABS+PC.014		T85		General purpose, heat stabilized
GMP.ABS+PC.017		KU2-1473 LGX300		UV light stabilized
GMP.ABS+PC.018		2753		PC/ABS alloy for general purpose painted applications
GMP.ABS+PC.022		T95-MF		General purpose
GMP.ASA+PC.001		W90-XG		Weatherable PC blend
GMP.ASA+PC.004		W90-XG		Weatherable PC blend
GMW.15581P-ABS+PC	T1 T2 T3 T3 T6 T7	T45 T65 T85 T85-BBS201 T85-XF T45-PG	Caojing, China Caojing, China	General purpose alloy Medium heat and impact General purpose, heat stabilized Nomenclature formerly known as KU2-1481 High heat, soft flow Medium heat, plating grade
GMW.15582P-ABS+PC	T1 T1 T3	T88-GF10 T88-2N T95-MF		10% glass filled 10% glass filled Mineral filled PC/ABS
GMW.15583P-ASA+PC	T4/T4L/T5/T5L	W90-XG		Weatherable PC blend
Bayflex® Elastomeric PU RIM System				
GMP.PUR.040		LSR10		Polyurethan RIM-weatherable
Baytec® SPR Spray Polymer System				
GMP.PUR.045		SPR070A		Polyurethan RRIM-sprayable skin, paintable, interior
Desmopan® TPU				
GM 7001M		487		
GMP.TPU.028		KU2-88586P		UV stabilized, heat stabilized, castable powder



GM NA Spec	Class	Material & Grade	Asian Approved Site*	Description
		Makroblend® PC/PET Blend		
GMP.PC+PET.007		UT-640G		20% glass fiber reinforced
GMP.PC+PETP.004		UT-400 DP4-1397		Impact modified, weatherable
GMP.PC+PETP.006		UT-620G		10% glass fiber reinforced, weatherable
GMP.PC+PETP.007		UT-640G		20% glass fiber reinforced
		Makrolon® Polycarbonate		
GMP.PC.001		1260** 2405 2600 2605 2800 2805		Medium heat, impact modified General purpose, colorable
GMP.PC.002		3103		General purpose extrusion grade, UV stabilized
GMP.PC.003		T-7855		High heat, impact modified
GMP.PC.004		T-7435		Medium heat, impact modified
GMP.PC.005		2407		Polycarbonate
GMP.PC.007		2807 2407		Weather resistant, integral color, medium viscosity
GMP.PC.008		2603 2607 2803 2807		UV light resistant, injection molding grade
GMP.PC.009		AL-2647 AL-2447		Exterior lens
GMP.PC.011		3107		General purpose
GMP.PC.015		2405 2205		Low viscosity, colorable
GMP.PC.016		T-7435		High heat, high flow, impact modified
GMP.PC.017		8315		10% glass filled, integrally colored
		Texin® TPU		
GM 7001M		285		80 Shore "A" durometer thermoplastic polyurethane
GMP.TPU.017		355D		54 Type D hardness, 95 MPa flexural modulus
GMP.TPU.021		985U		90 Shore "A" durometer polyether base TPU; weatherable

Transnationals

Material Approval List

Engineering Polymers by Bayer MaterialScience



Bayer MaterialScience

OEM	Spec No.	Material & Grade	Description
Apec® High-Heat PC			
Hyundai/Kia	MS215-07 Type 1	1795	HH PC
Hyundai/Kia	MS215-07 Type 2	1895	HH PC
Hyundai/Kia	MS215-07 Type 3	2097	HH PC
Toyota	TSM5513G-1	1803	HH PC
Bayblend® PC/ABS Blend			
Toyota	TSM5526G-1	T-65	PC/ABS
Toyota	TSM5526G-1	T-85	PC/ABS
Toyota	TSM5526G-2	T-65	PC/ABS (NA approval only)
Toyota	TSM5755G-1B	KU2-1582	Recycled PC/ABS; used in wheel caps
Makrolon® Polycarbonate			
Hyundai/Kia	MS215-01 Type 1	AL-2647 MAS331	PC
Hyundai/Kia	MS215-01 Type 1	1260	PC
Hyundai/Kia	MS215-01 Type 1	2407	PC
Toyota	TSM5513G-1	2605	PC